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INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY	USSR	REPORT	
SUBJECT	Circuit and Wiring Diagrams for the Soviet RP-5 [SCAN ODD] Airborne Intercept Radar	DATE DISTR.	17 August 1964 50X1
		NO. PAGES	1
		REFERENCES	
DATE OF INFO.			
PLACE & DATE ACQ.			

THIS IS UNEVALUATED INFORMATION. SOURCE GRADINGS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. two English-language albums of diagrams for the Soviet RP-5 [SCAN ODD] airborne intercept radar 50X1-HUM
2. The descriptions of the albums are as follows:
  - a. Attachment I. Radar Station RP-5, Circuit Diagrams. No publishing data available. The album contains 31 schematic diagrams of the various units of the RP-5.
  - b. Attachment II. RP-5 Radar Station, Wiring Diagrams. Published in 1959. This album is made up of 31 wiring diagrams which show connections between units, connections between components of each unit, and points of connection on each component. 50X1-HUM

Distribution of Attachments: (for retention)

OSI: 1 copy  
 ORR: 1 copy  
 Army: 2 copies  
 Army/FSTC: 2 copies  
 Navy: 1 copy  
 Navy/STIC: 1 copy  
 Air: 2 copies  
 Air/FTD: 5 copies  
 SAC: 1 copy (previously forwarded)  
 DIA: 2 copies  
 NSA: 6 copies

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GROUP 1  
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 downgrading and  
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STATE	DIA	ARMY	NAVY	AIR	NSA	A/ab/	NIC	OCR	SAC
	Air/FTD	Army/FSTC							

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50X1-HUM

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**RADAR STATION RP-5**  
**CIRCUIT DIAGRAMS**

**(English Language)**

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declassification

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Secret

RADAR STATION RP-5  
\*\*\*\*\*  
CIRCUIT DIAGRAMS  
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Contains:  
Pages 35  
Diagrams: 201 sheets

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## Index of Drawings

Item	Title	Drawing No.	Page
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2.	Circuit diagram of the transmission-reception unit	AR18-2-C-000	6
3.	Circuit diagram of the reception indicator unit	AR18-3-C-000	7
4.	Circuit diagram of the indicator unit	AR18-4-C-000	8
5.	Circuit diagram of the junction box	AR18-5-C-000	9
6.	Circuit diagram of the distributing box	AR18-6-C-000	10
7.	Circuit diagram of the time base unit	AR18-7-C-000	11
8.	Circuit diagram of the coordinate transformation unit	AR18-8-C-000	12
9.	Circuit diagram of the amplidyne unit	AR18-9-C-000	13
10.	Circuit diagram of the angular tracking unit	AR18-10-C-000	14
11.	Circuit diagram of the range unit	AR18-11-C-000	15
12.	Circuit diagram of the supply and azimuth time base unit	AR18-12-C-000	16

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Item	Name	Drawing No.	Page
13.	Circuit diagram of the high voltage supply unit	AR18-12a-0-000	17
14.	Circuit diagram of the unit of servo-amplifiers	AR18-14-0-000	18
15.	Circuit diagram of the aerial change over unit	AR18-15-0-000	19
16.	Circuit diagram of the tracking aerial unit	AR28-16-0-000	20
17.	Circuit diagram of the control panel	AR18-19-0-000	21
18.	Circuit diagram of the artificial horizon unit	AR18-21-0-000	22
19.	Circuit diagram of the junction box	AR18-22-0-000	23
20.	Circuit diagram of the unit of protection against asynchronous pulse disturbances	AR18-25-0-000	24
21.	Circuit diagram of the unit of automatic independent warning of air to air collision	AR18-26-0-000	25
22.	Circuit diagram of the unit "Night - Day"	AR18-24-0-000	26
23.	Circuit diagram of the assembly No.9	AR18-17-7-000	27
24.	Circuit diagram of the filter box	AR18-17-9-000	28
25.	Circuit diagram of the assembly No.12	AR18-17-12-000	29
26.	Circuit diagram of the assembly No.13	AR18-17-13-000	30

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Item	Name	Drawing No.	Page
27.	Circuit diagram of the junction box	AR18-17-13-000	31
28.	Circuit diagram of the T box	AR18-17-16-000	32
29.	Circuit diagram of the junction box	AR18-17-17-000	33
30.	Circuit diagram of the assembly No. 6	AR18-17 and 28-000	34
31.	Circuit diagram of the junction box	AR18-17 and 23	35

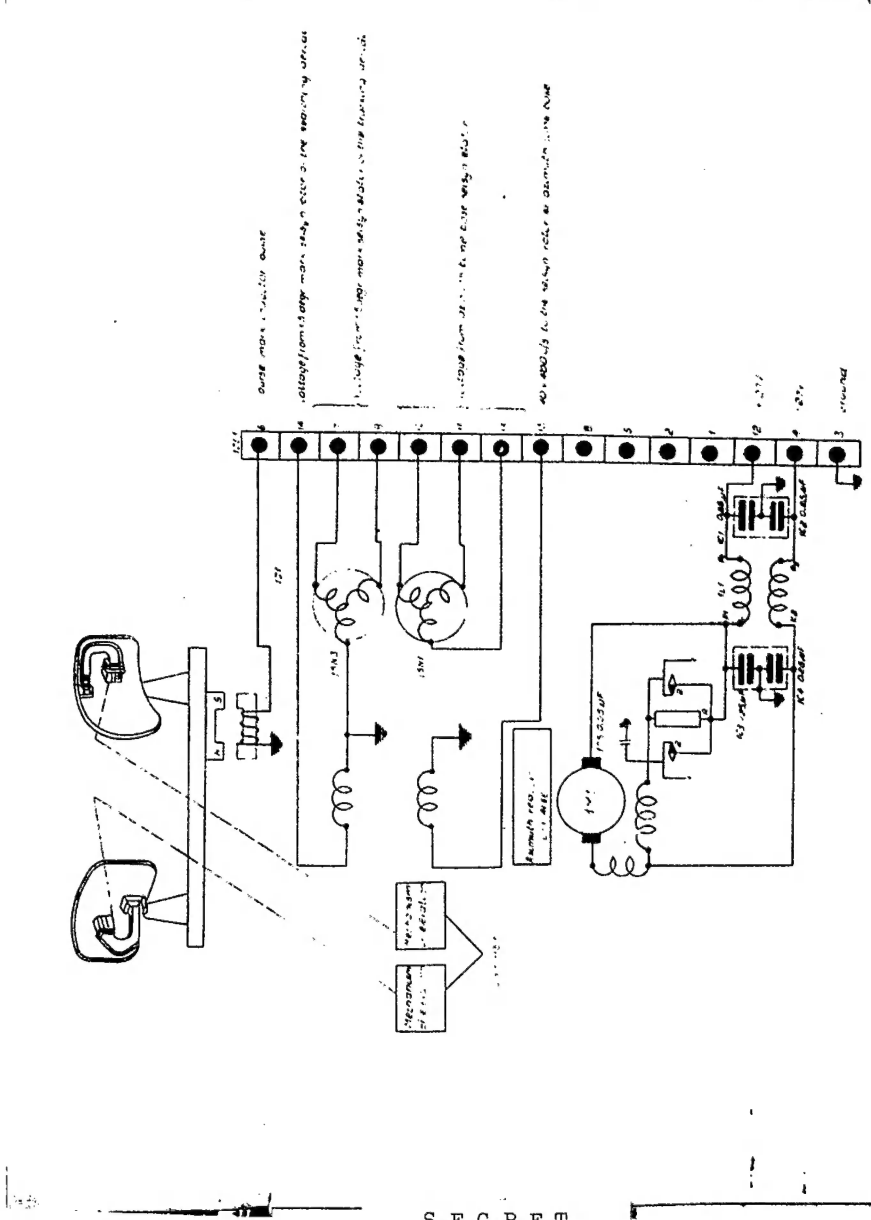
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circulation diagram  
of the  
existing central well



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Circuit diagram of the  
transmission-reception  
unit

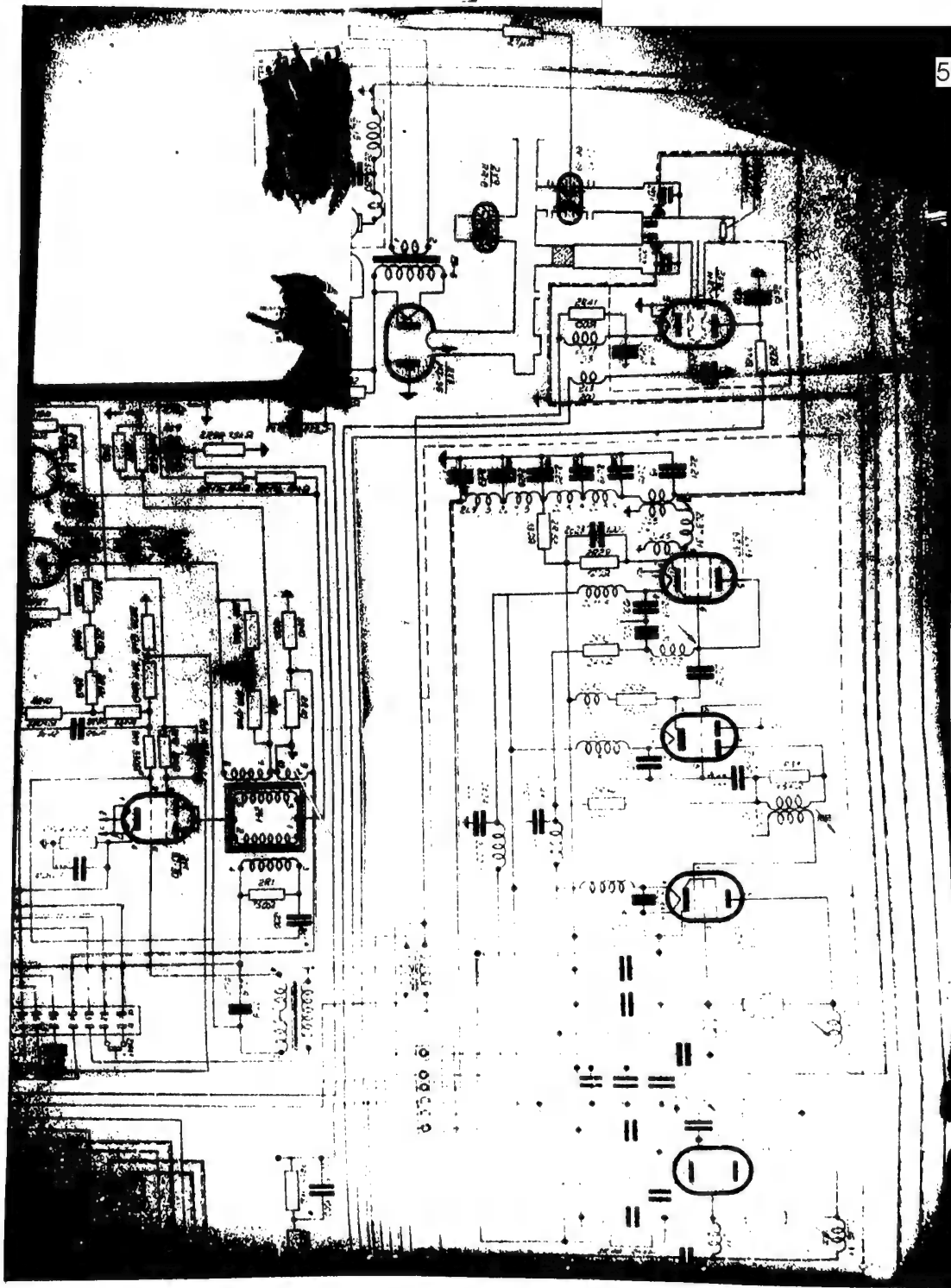
AR18-2-0-000

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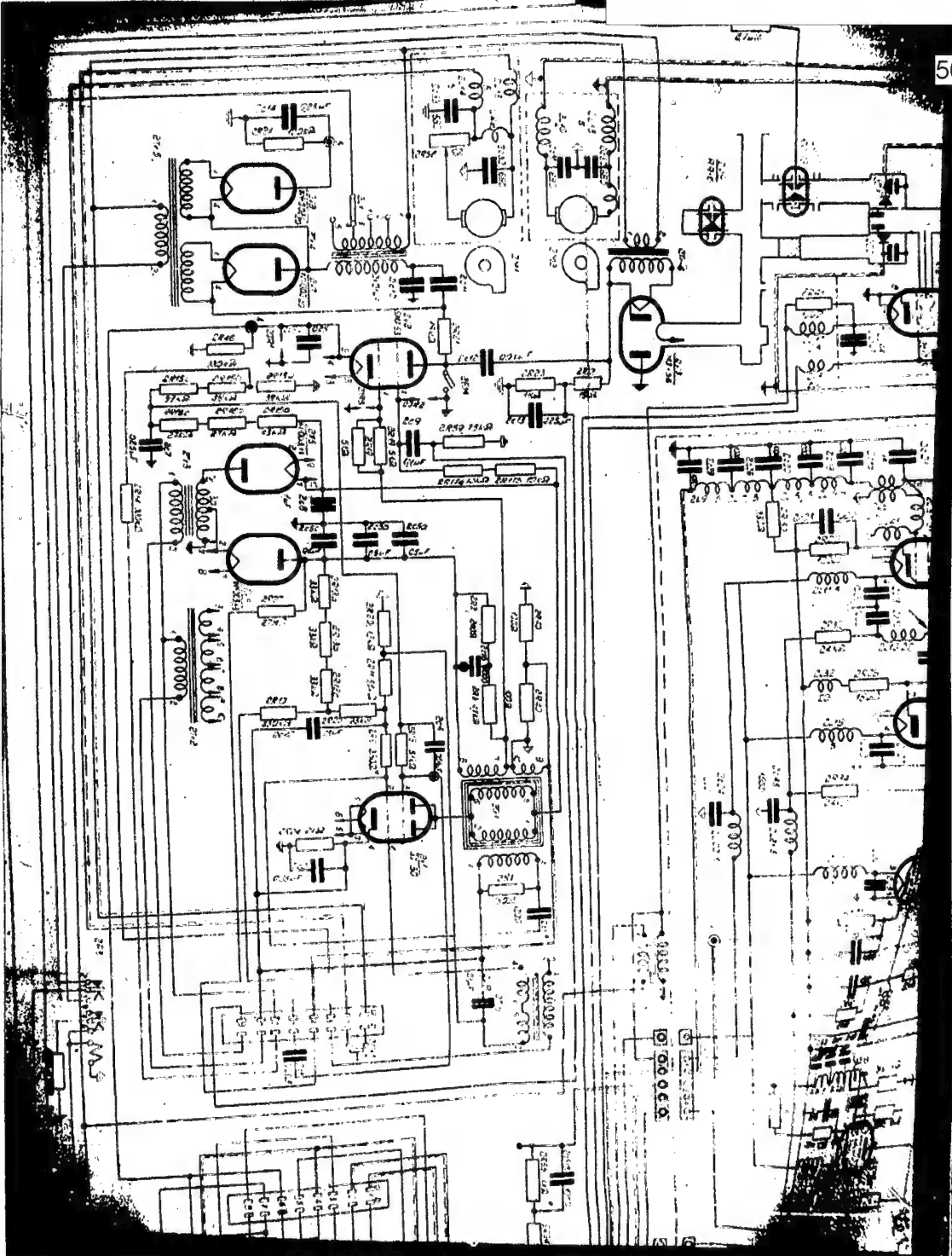
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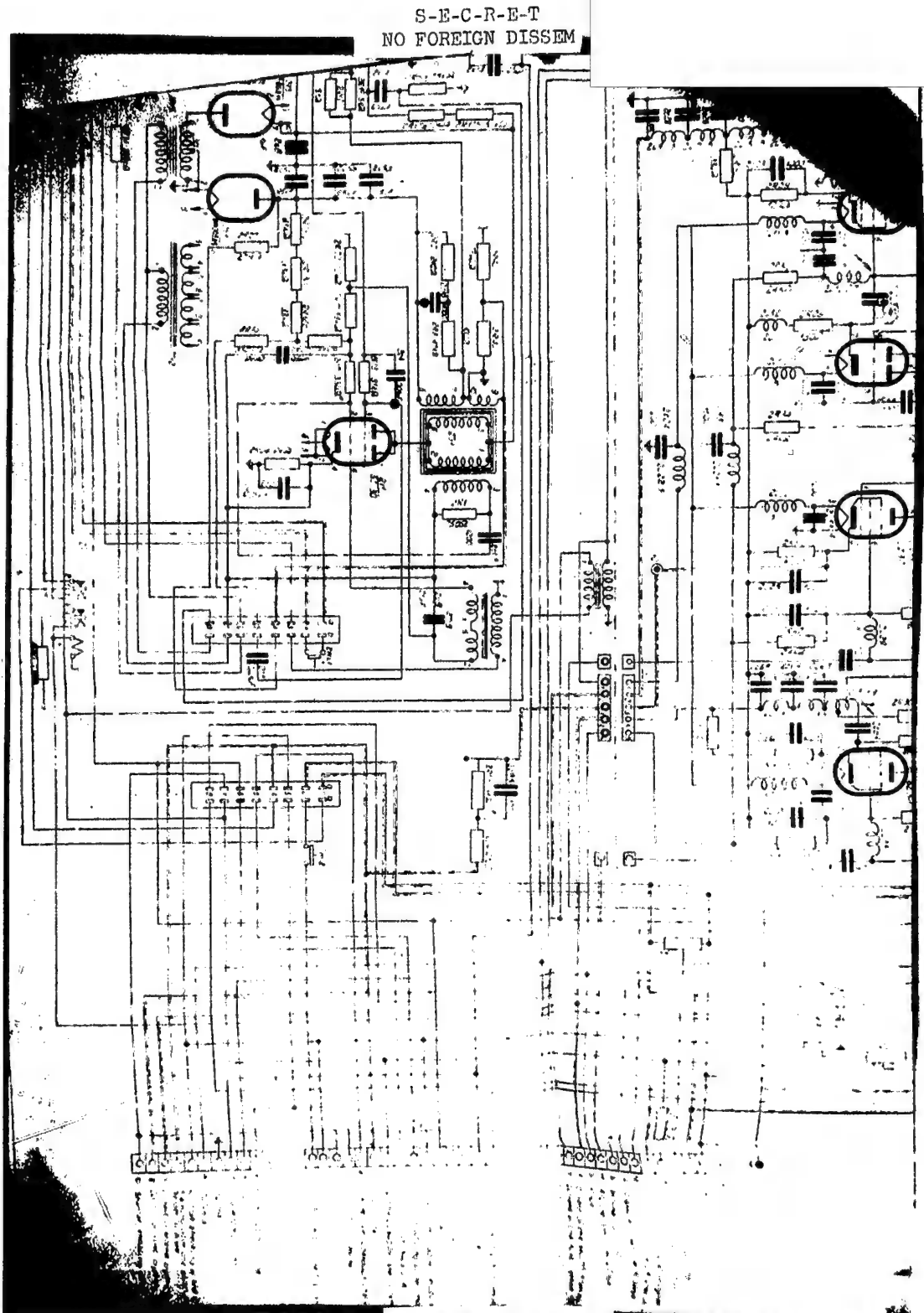
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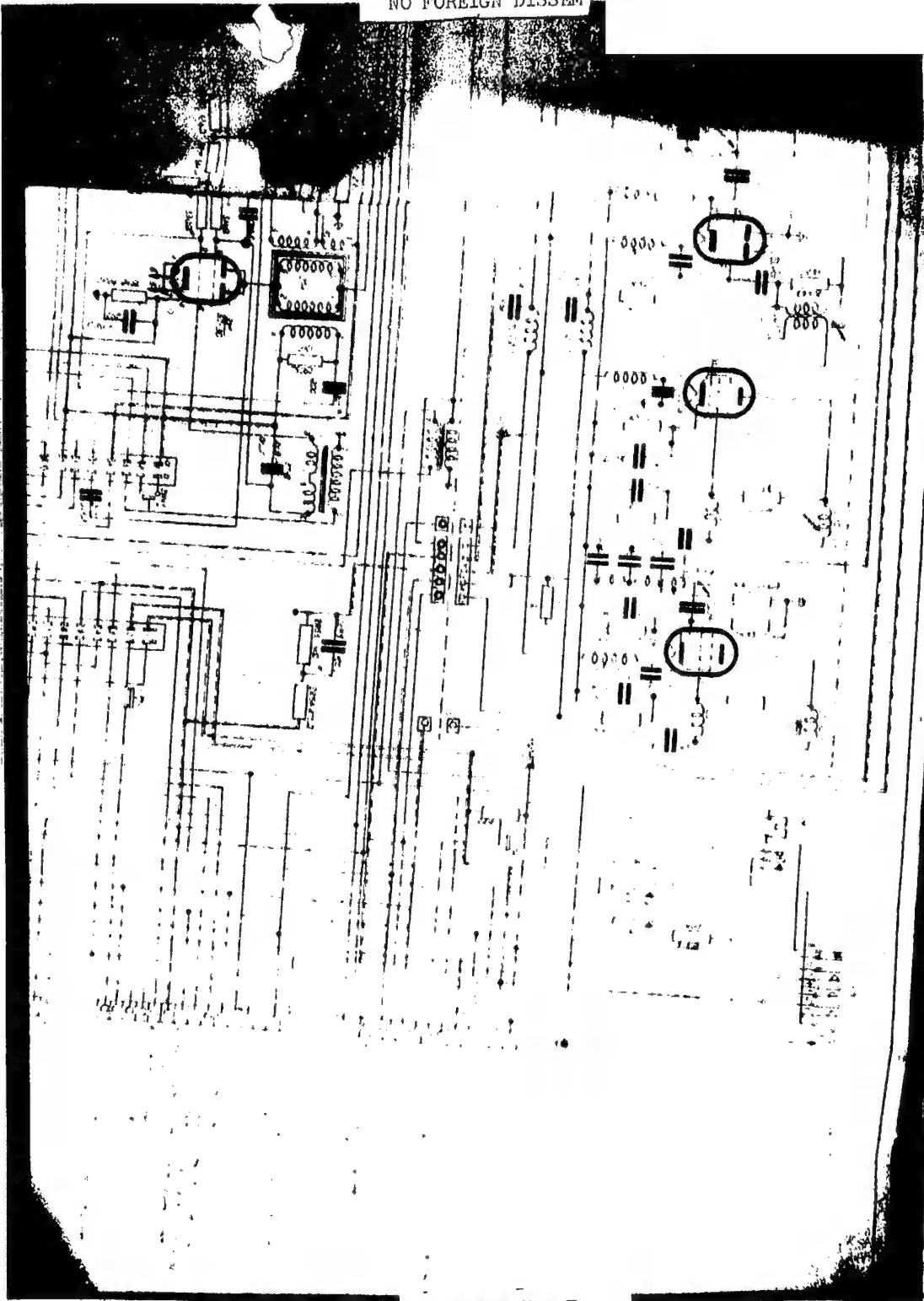
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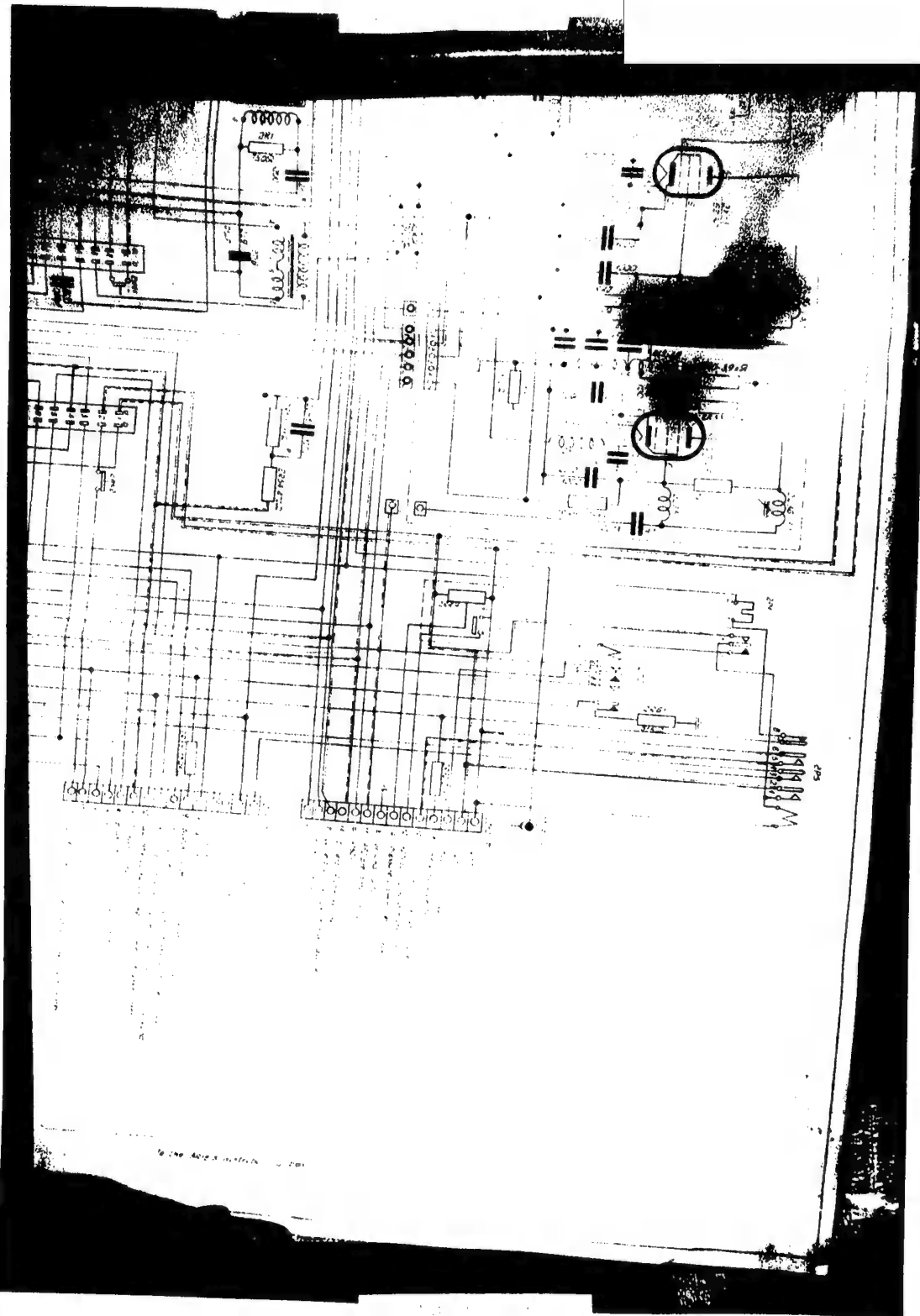
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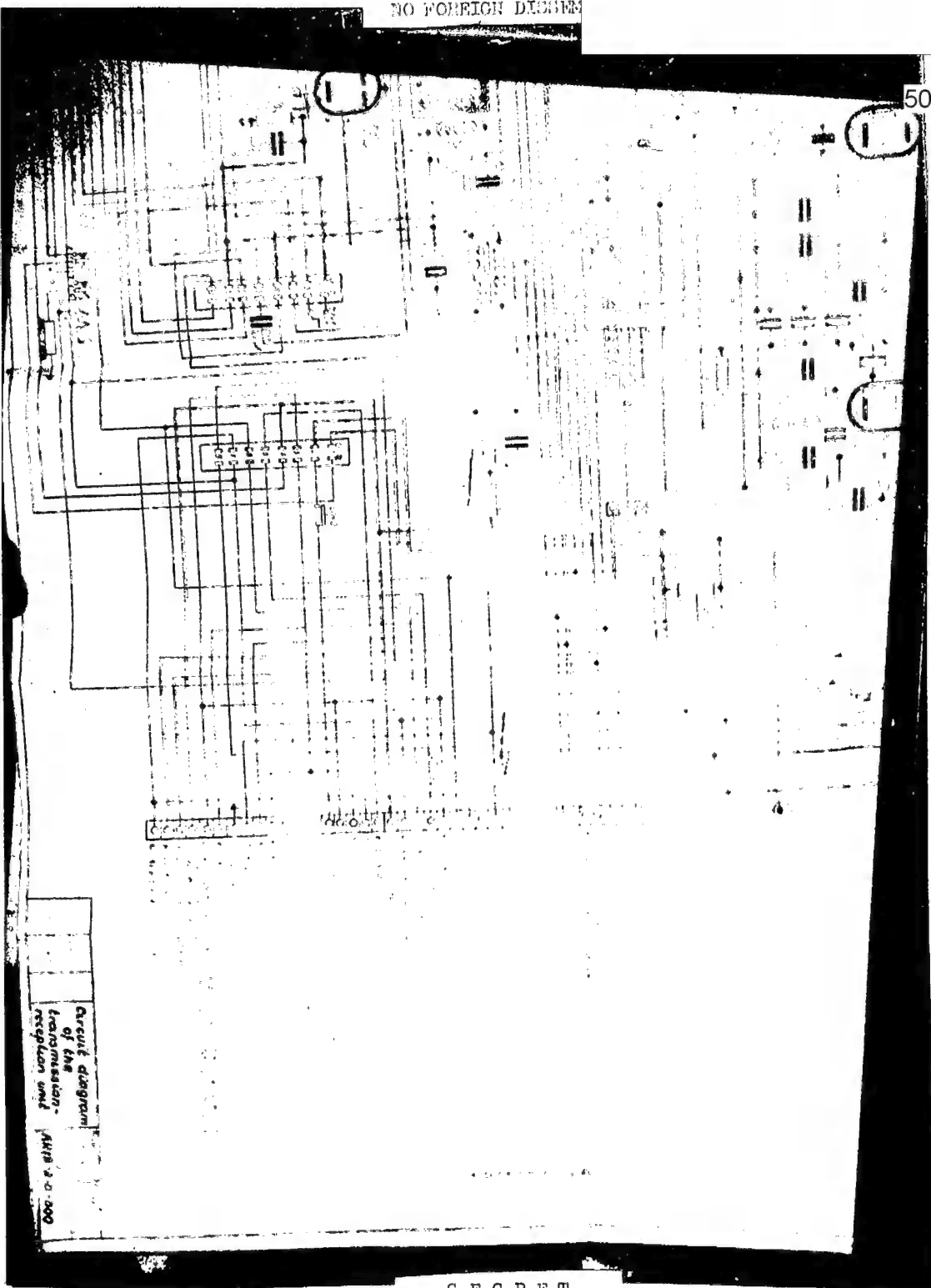
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Circuit diagram  
of the  
transmission and  
reception unit  
MPS 2-0-300

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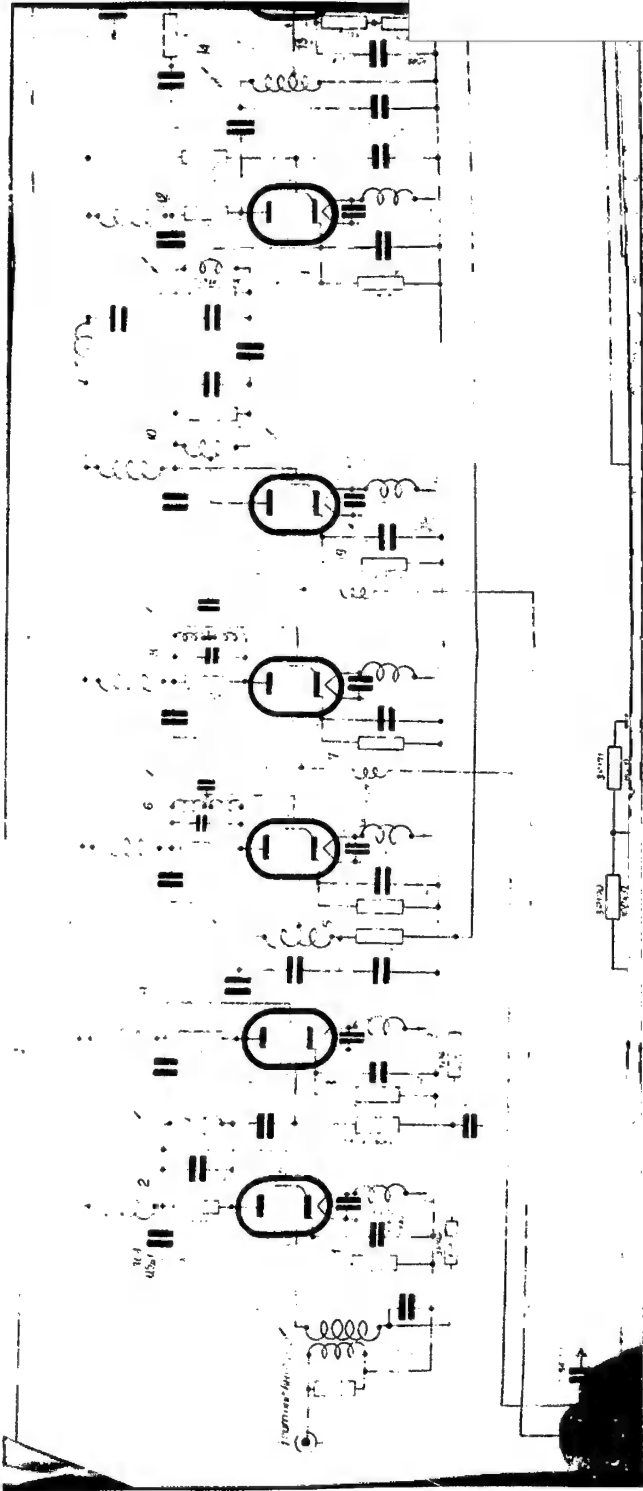
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		<i>of the reception indicating unit</i>	<i>Drawing No AR18-3-0-000</i>
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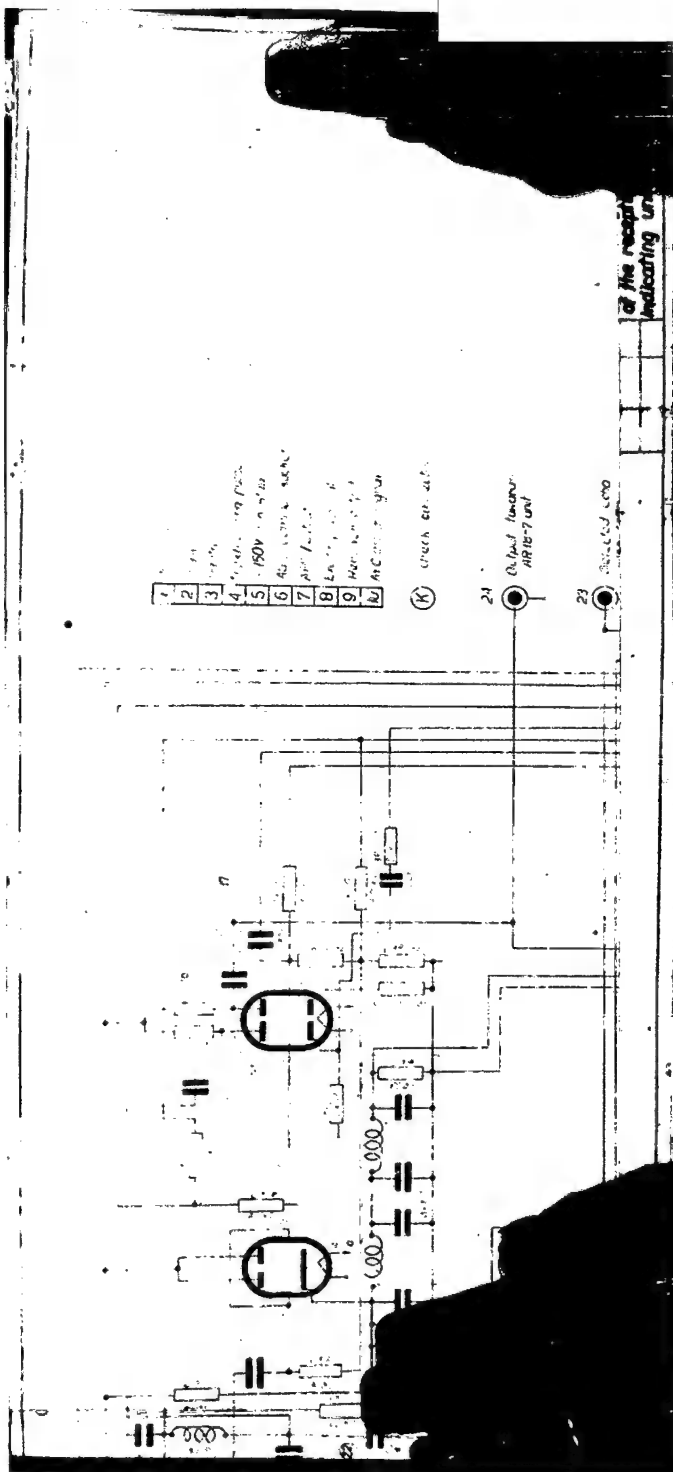
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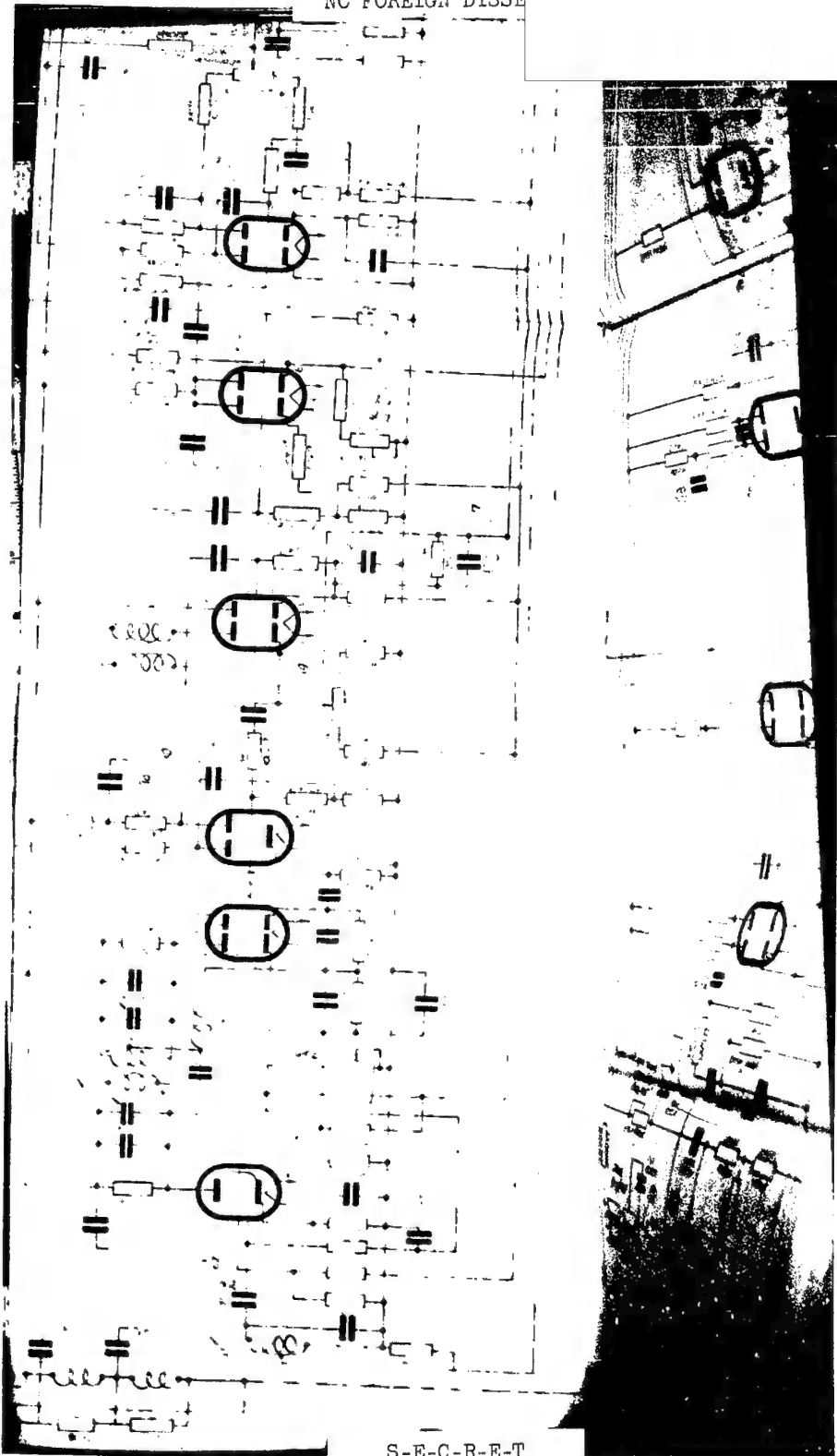
of the receipt  
indicating un-



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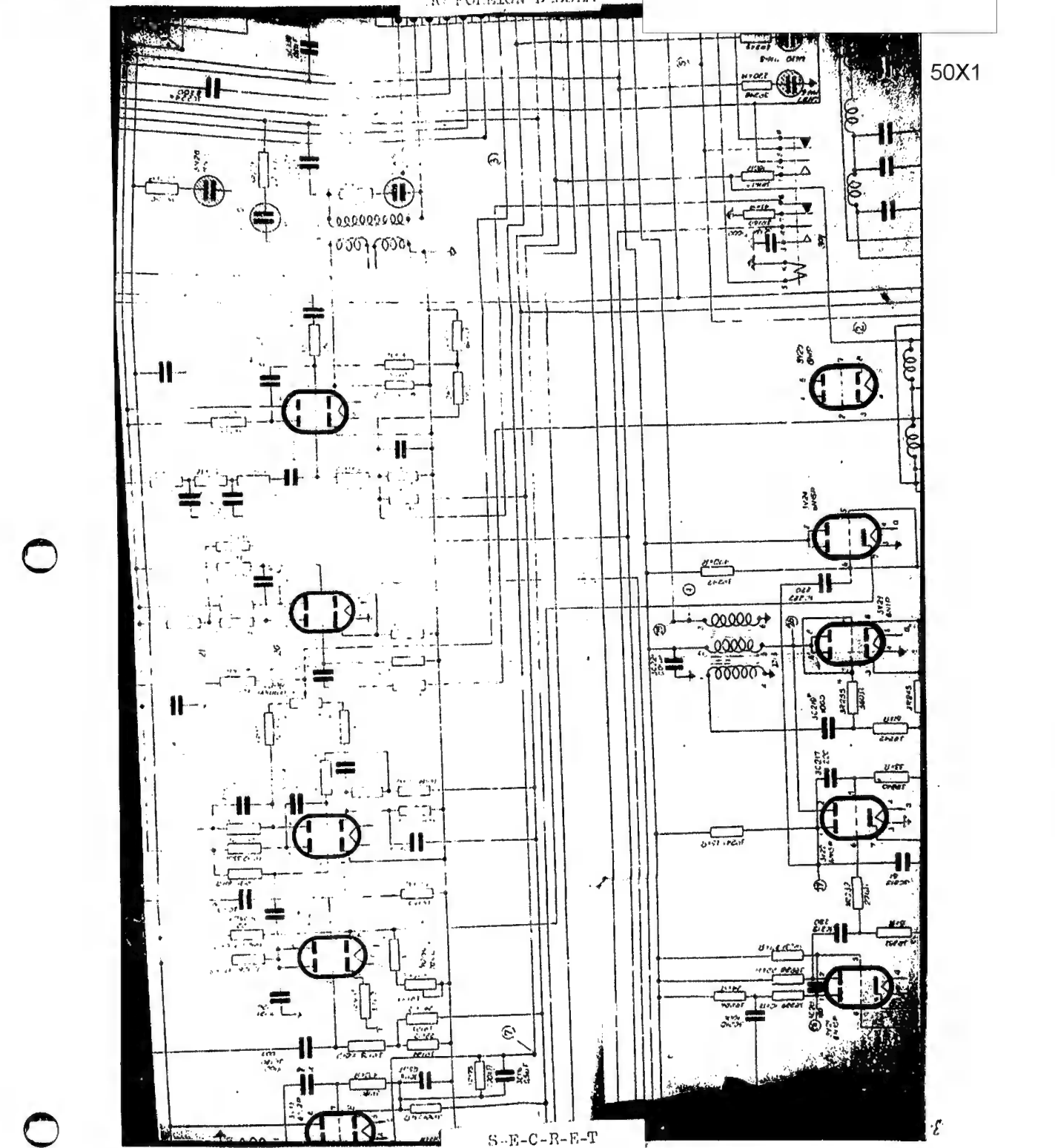
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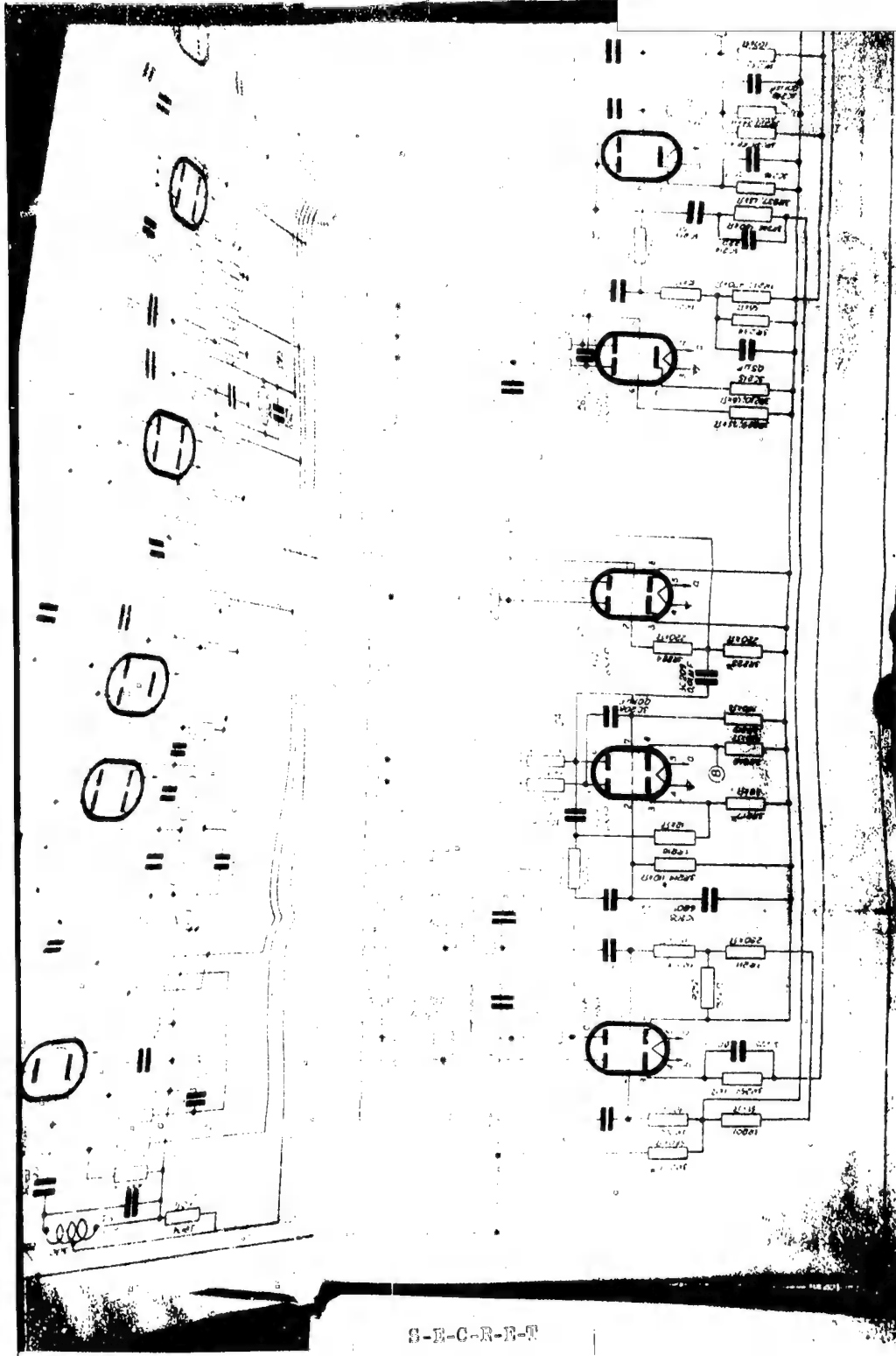
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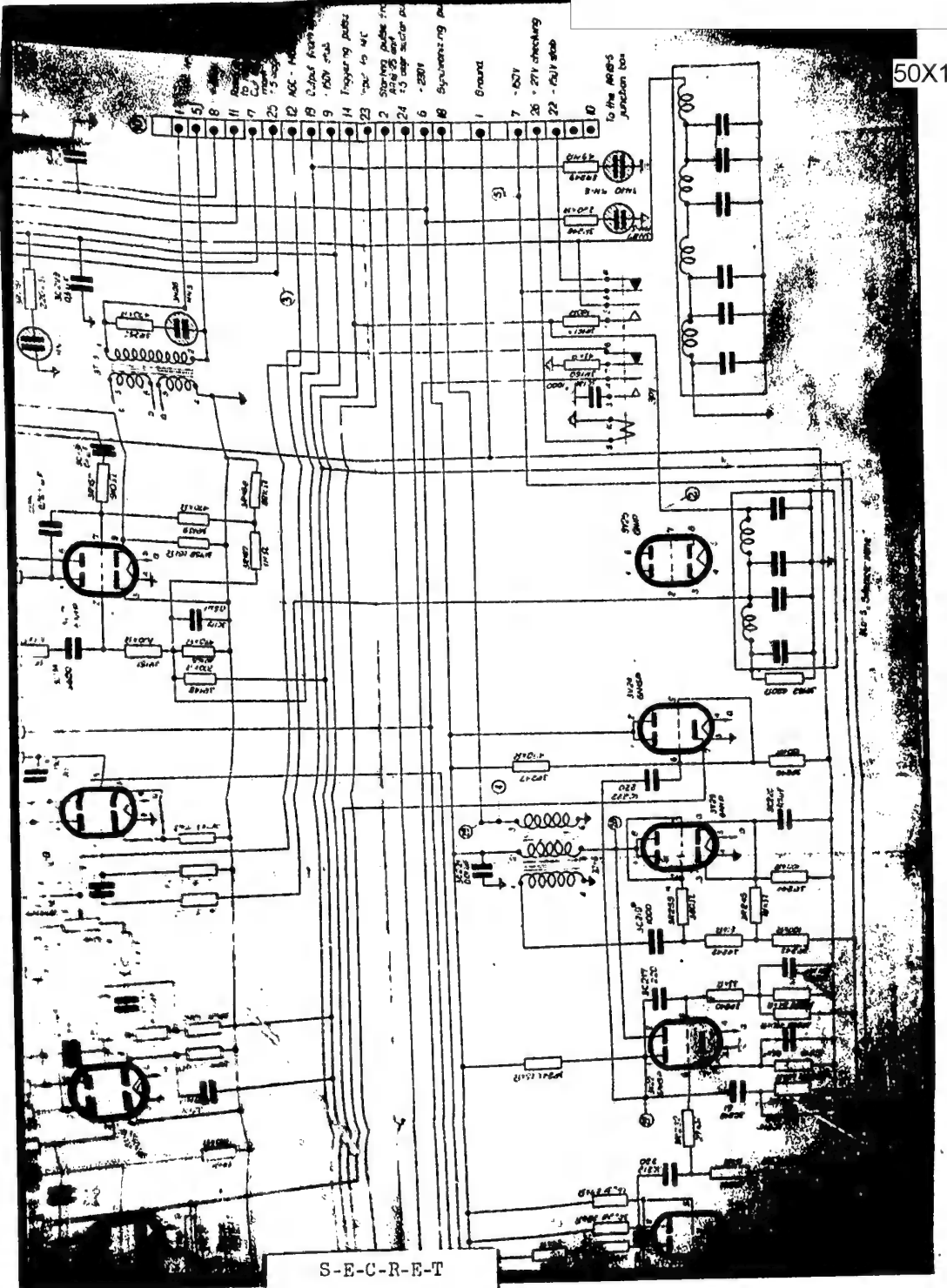
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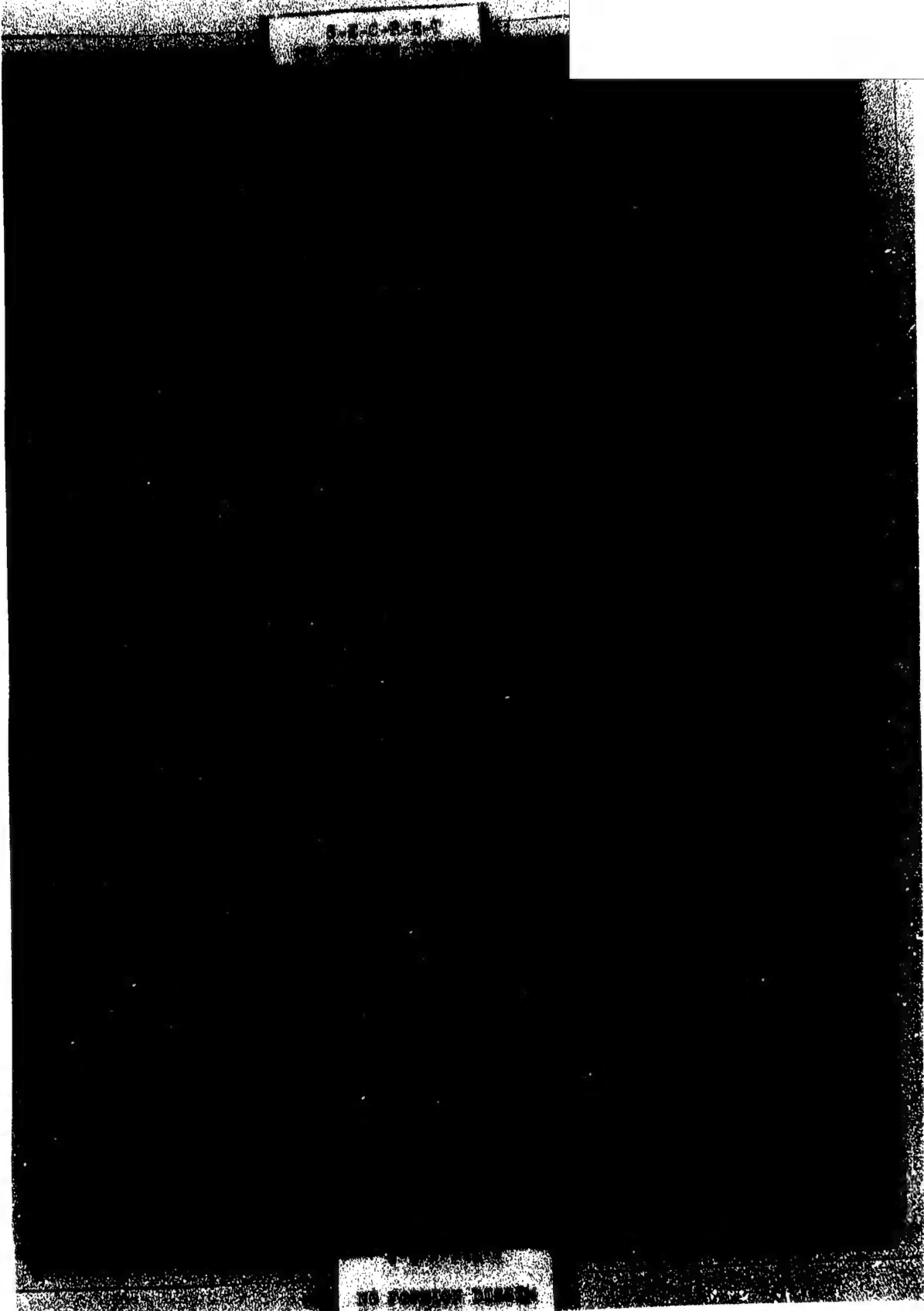
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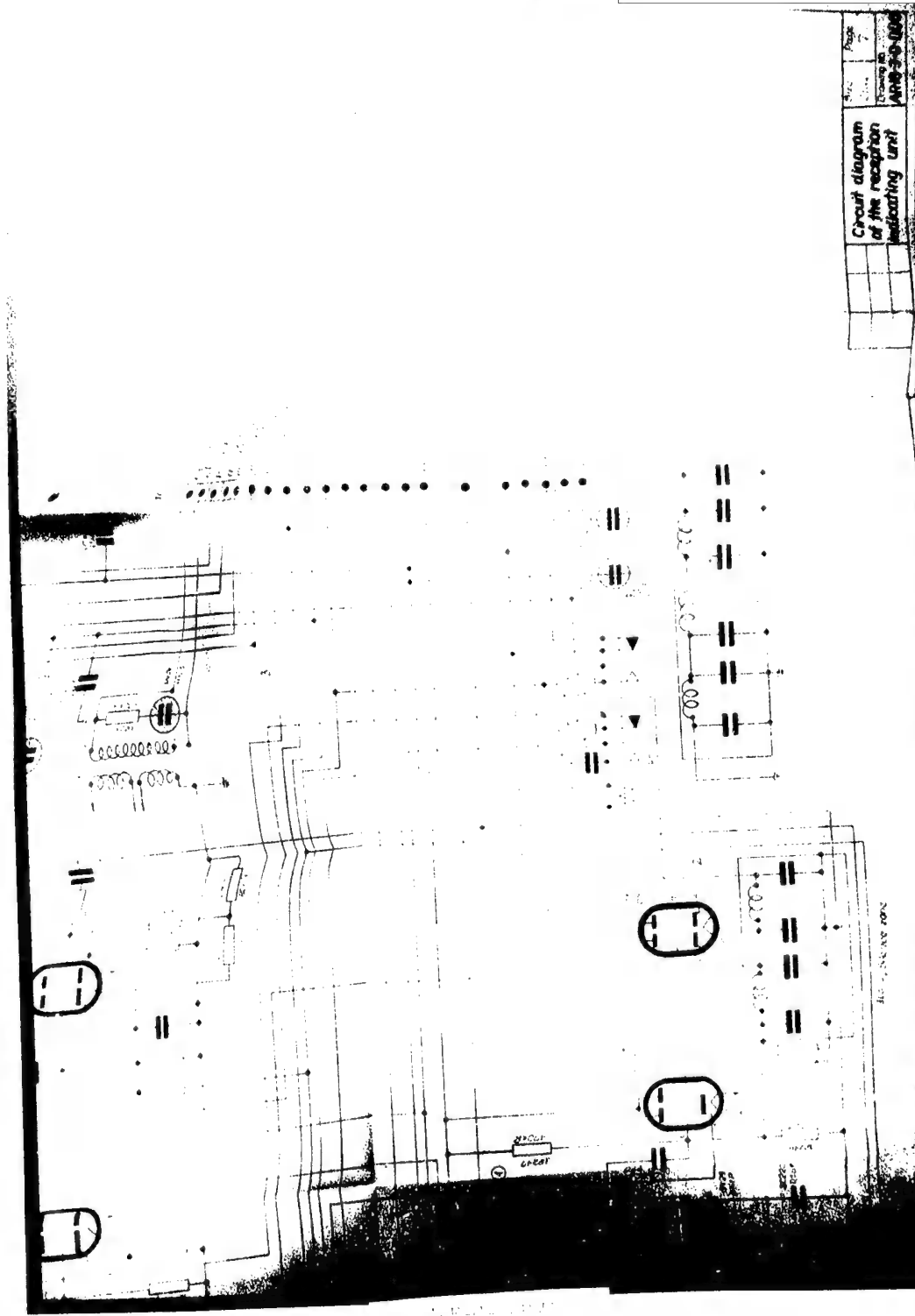
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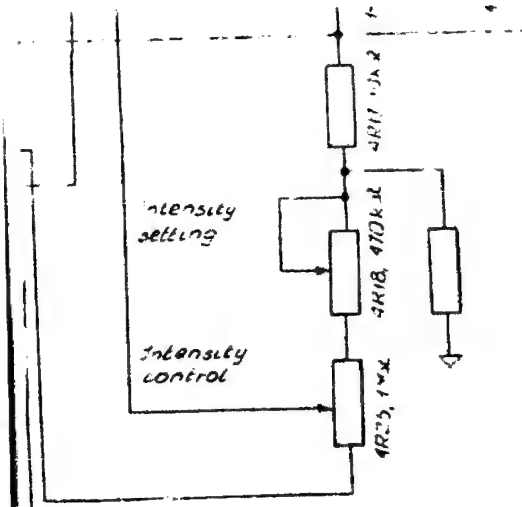




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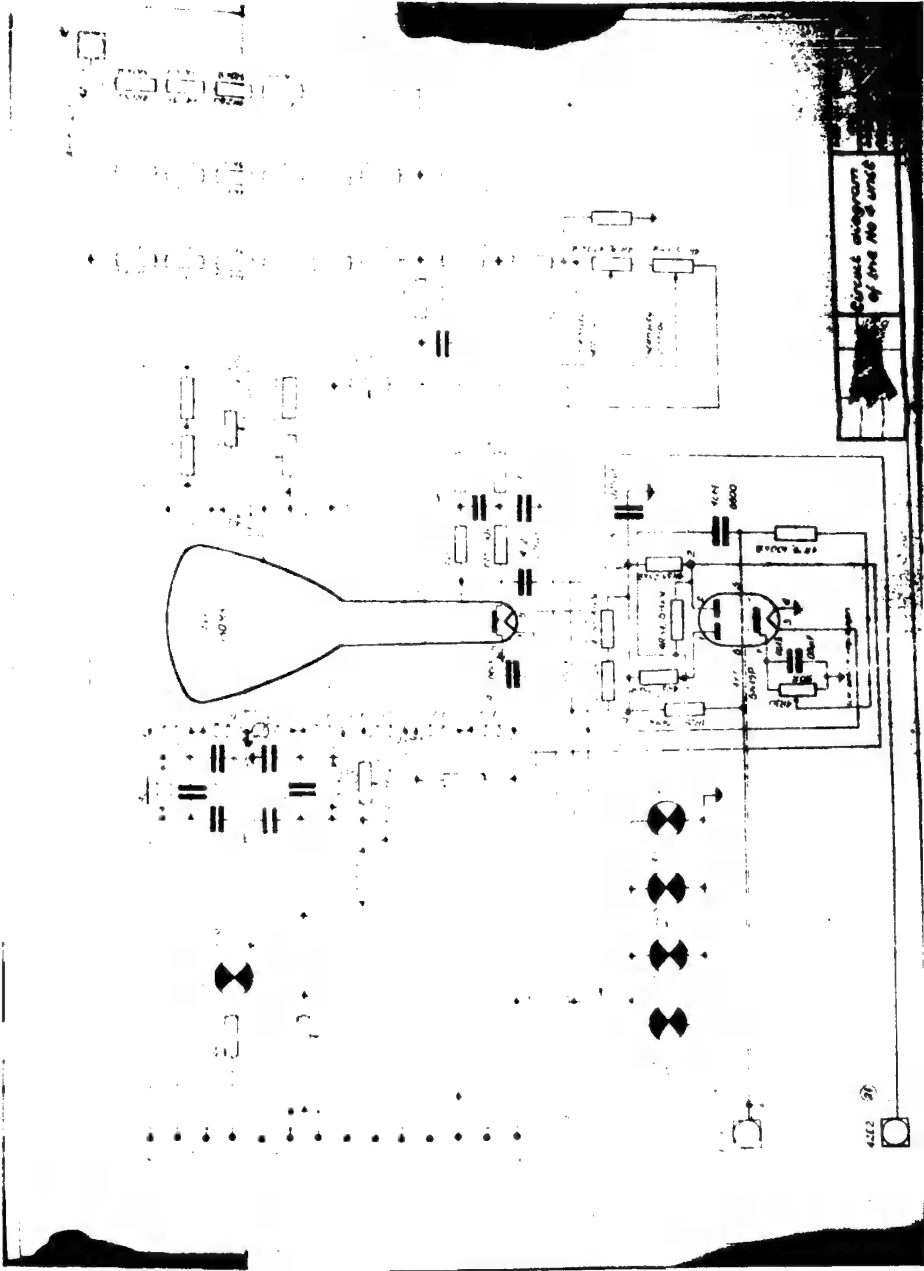
<b>Circuit diagram of the No 4 unit</b>		Size	Page
		4Hq	8
		Drawing to AR18-4-0-000sch	

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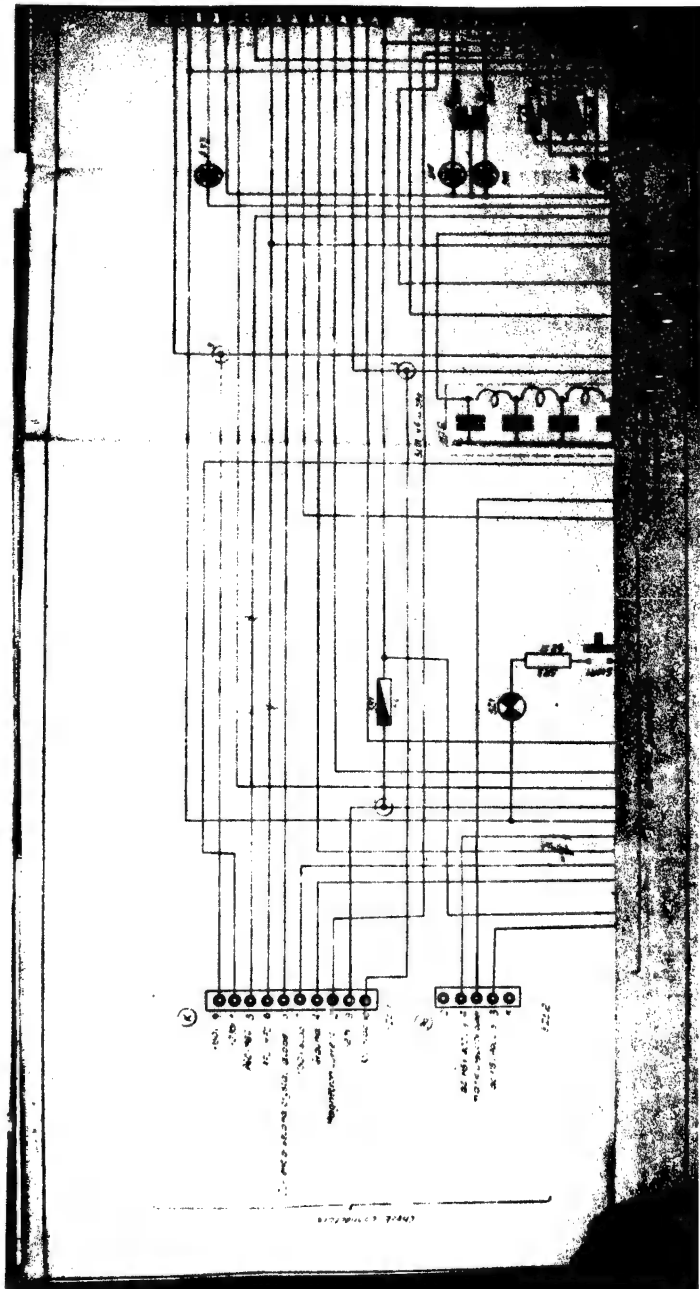
AR18-5 Junction Box

AR18-5-0-000/sch

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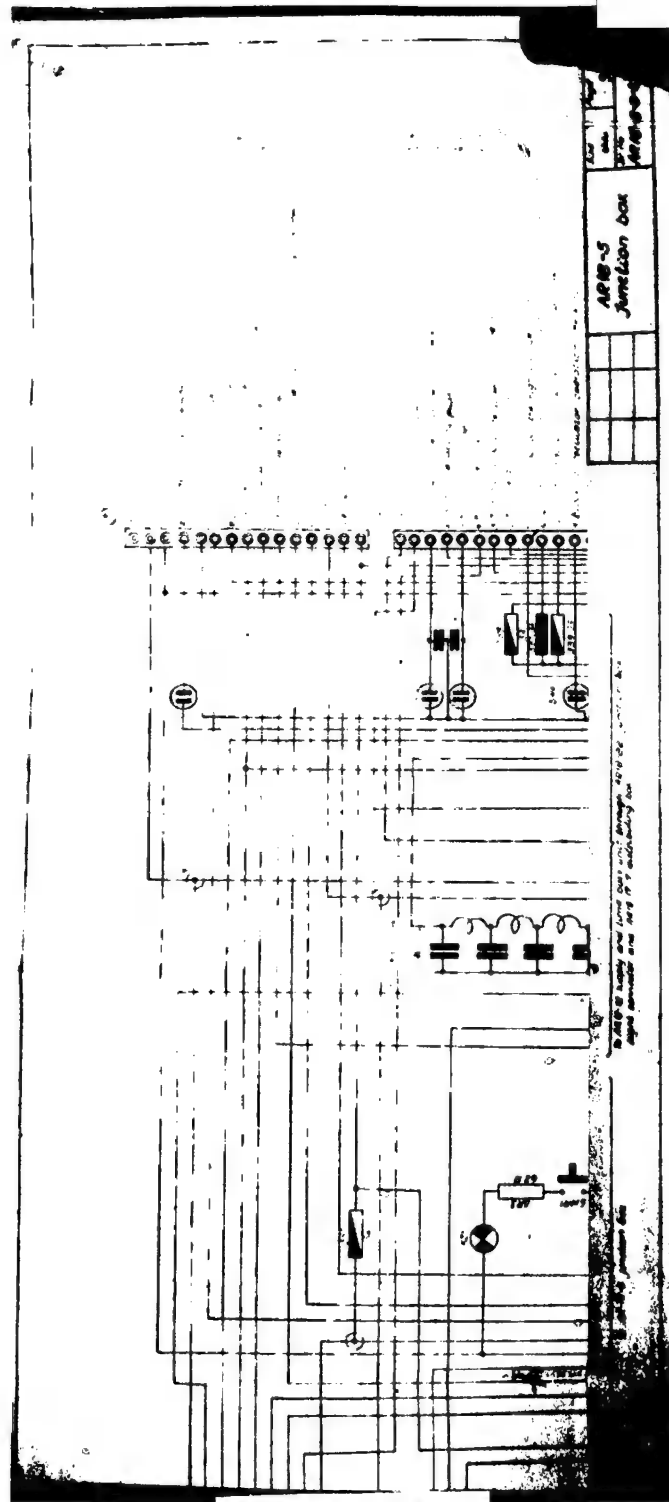


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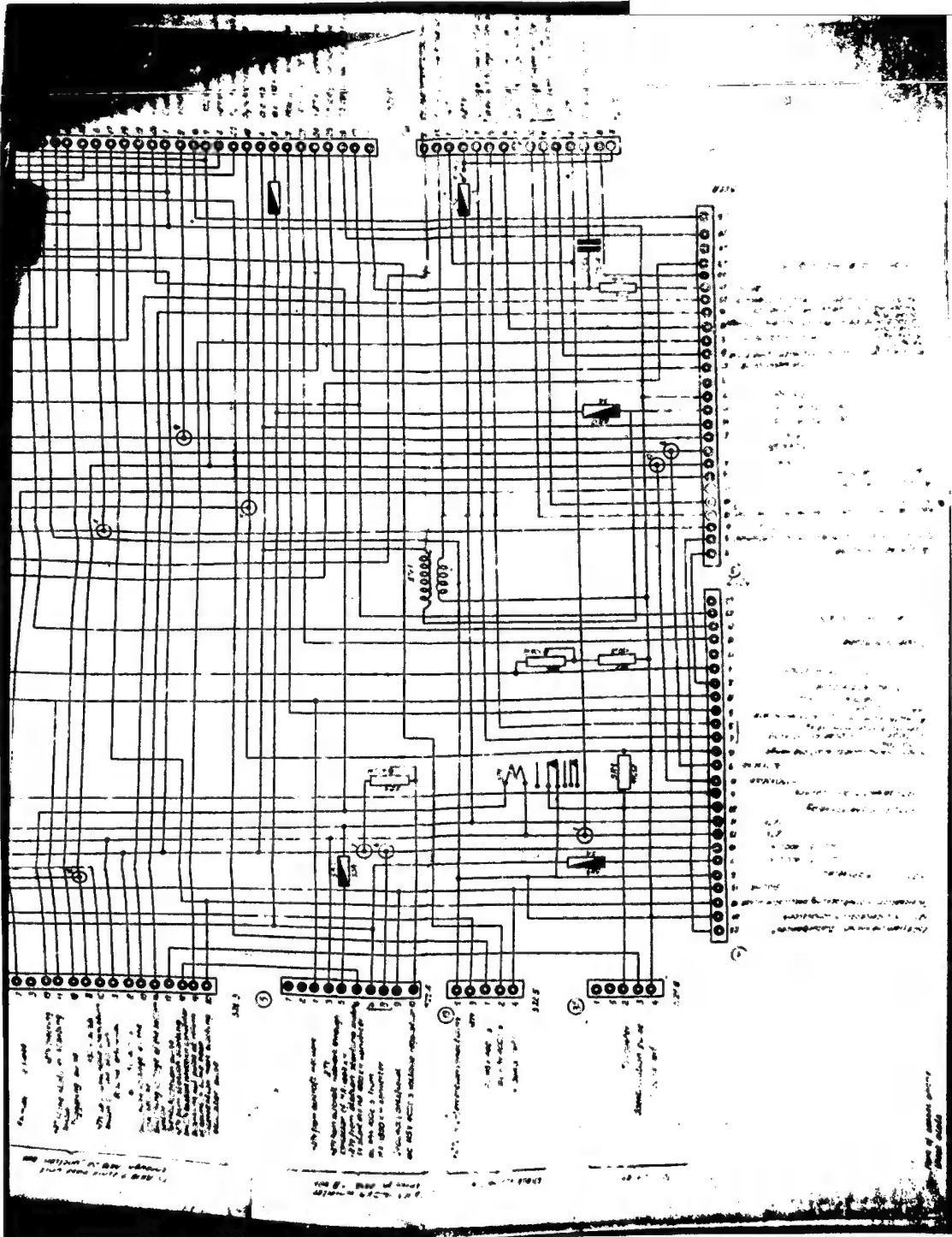
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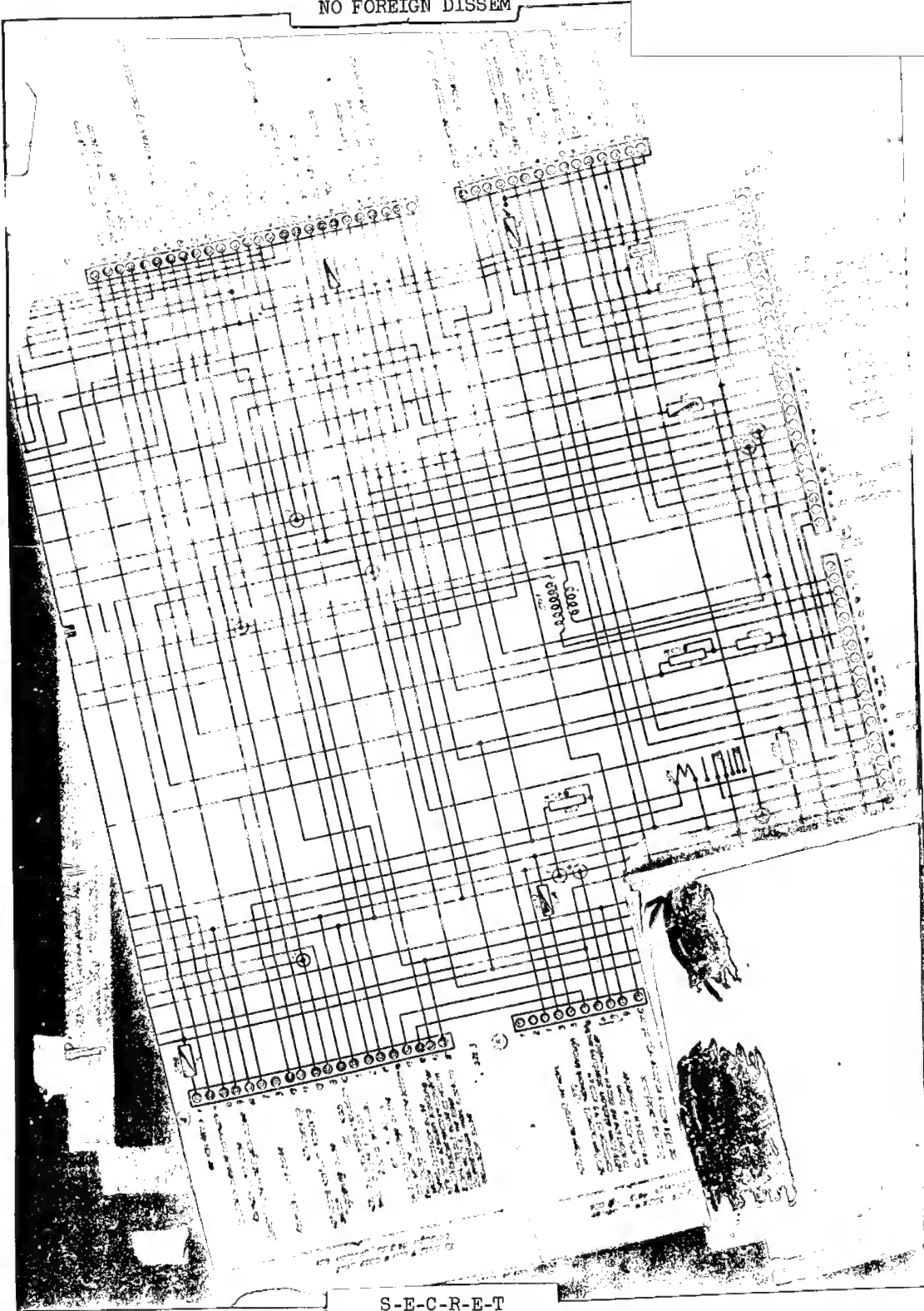


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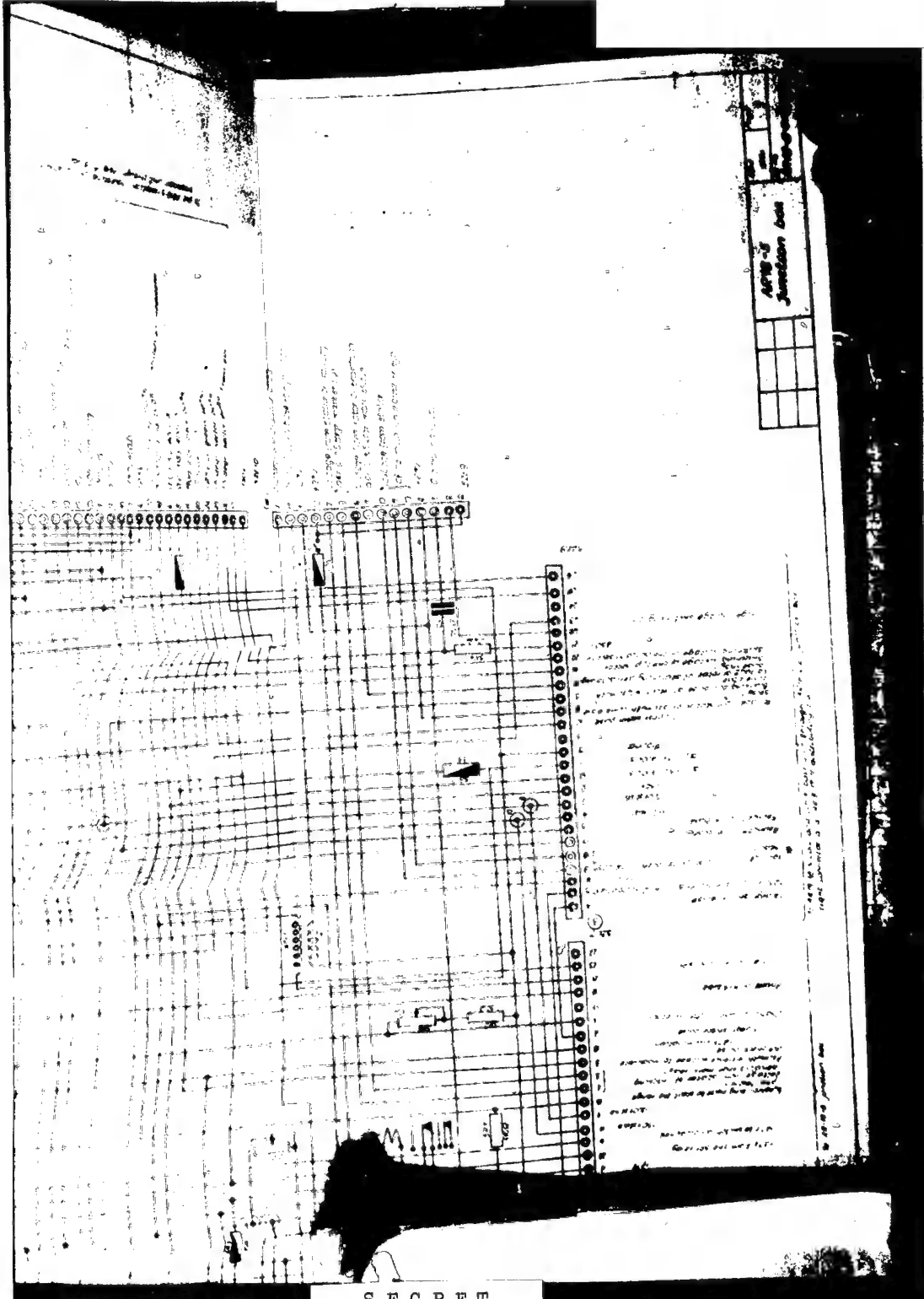


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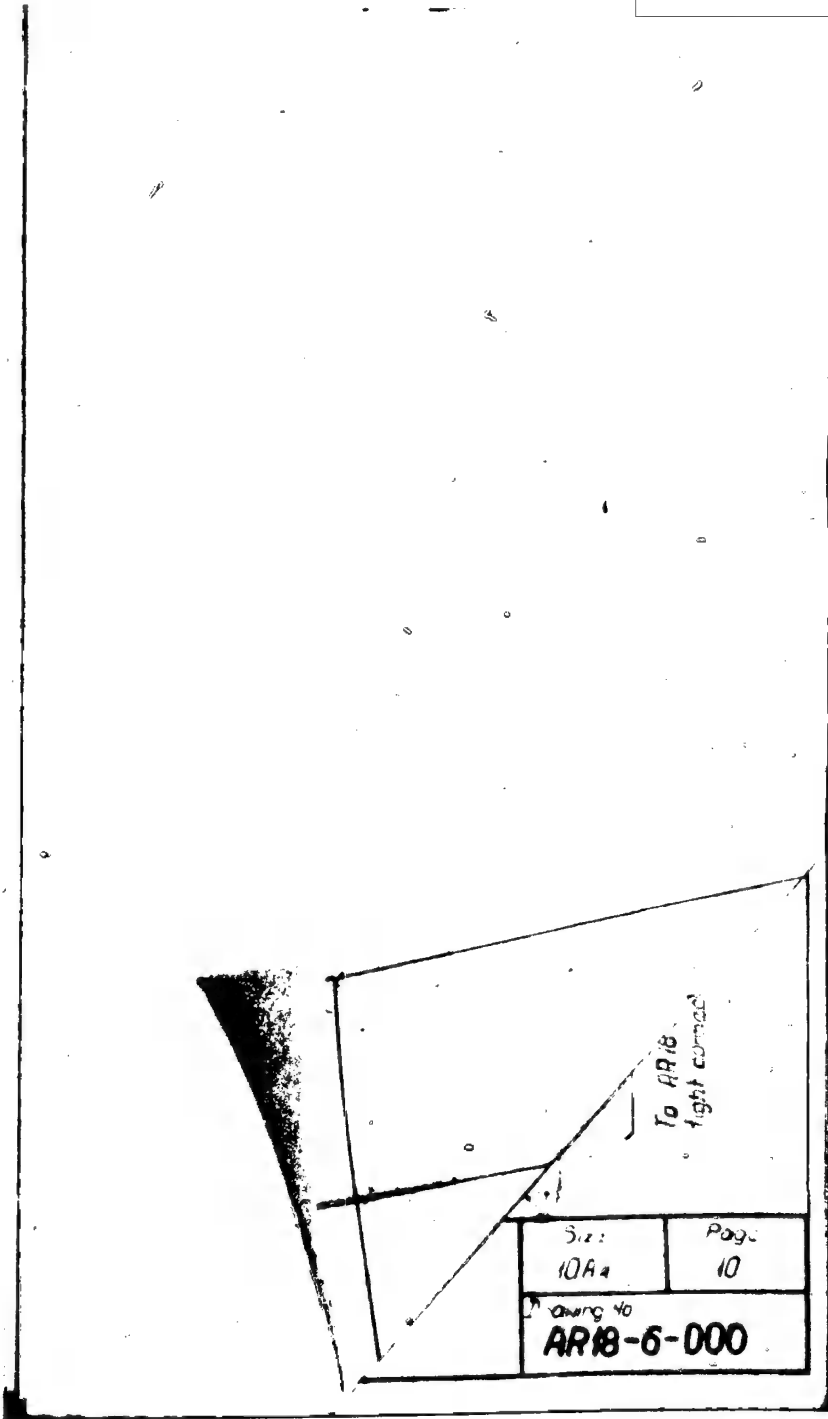


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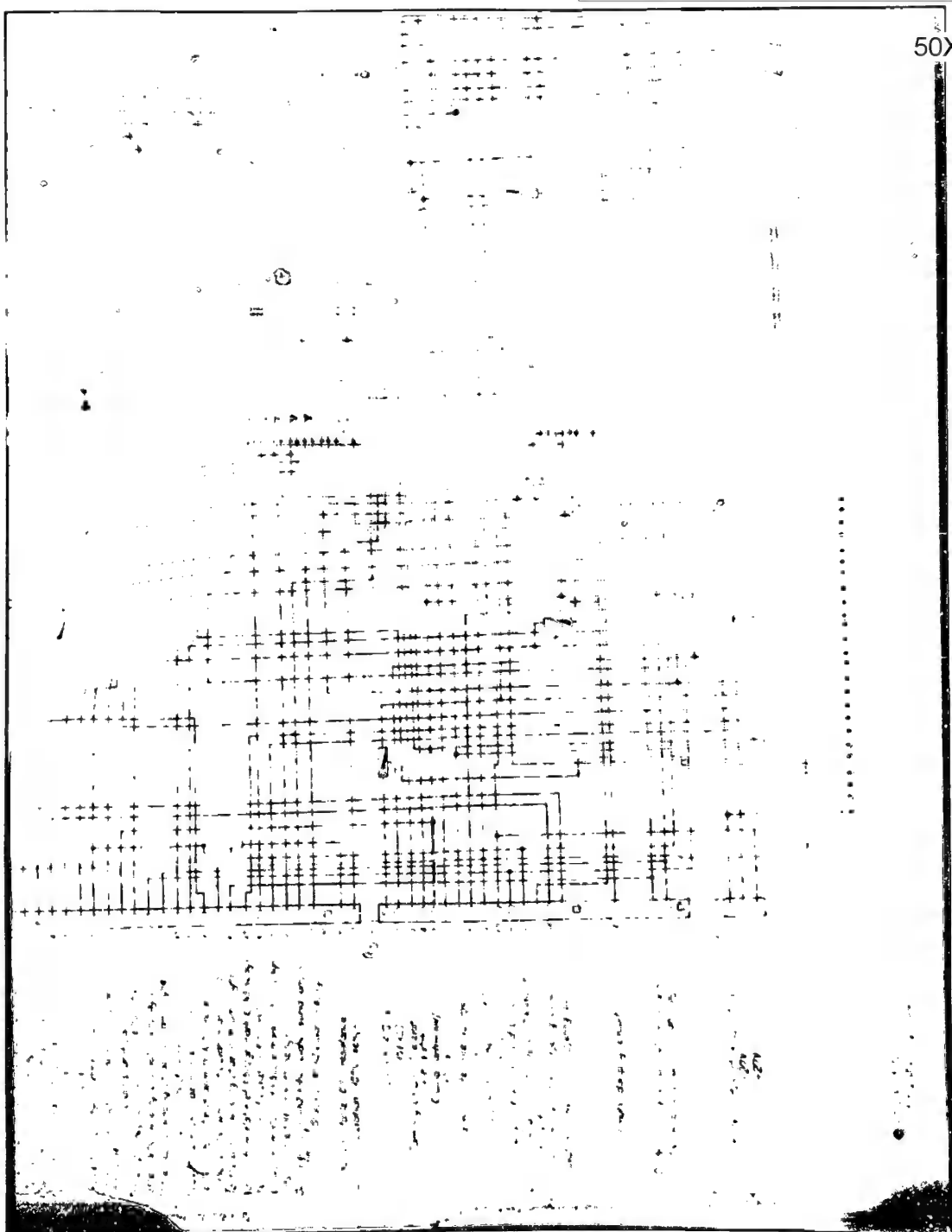
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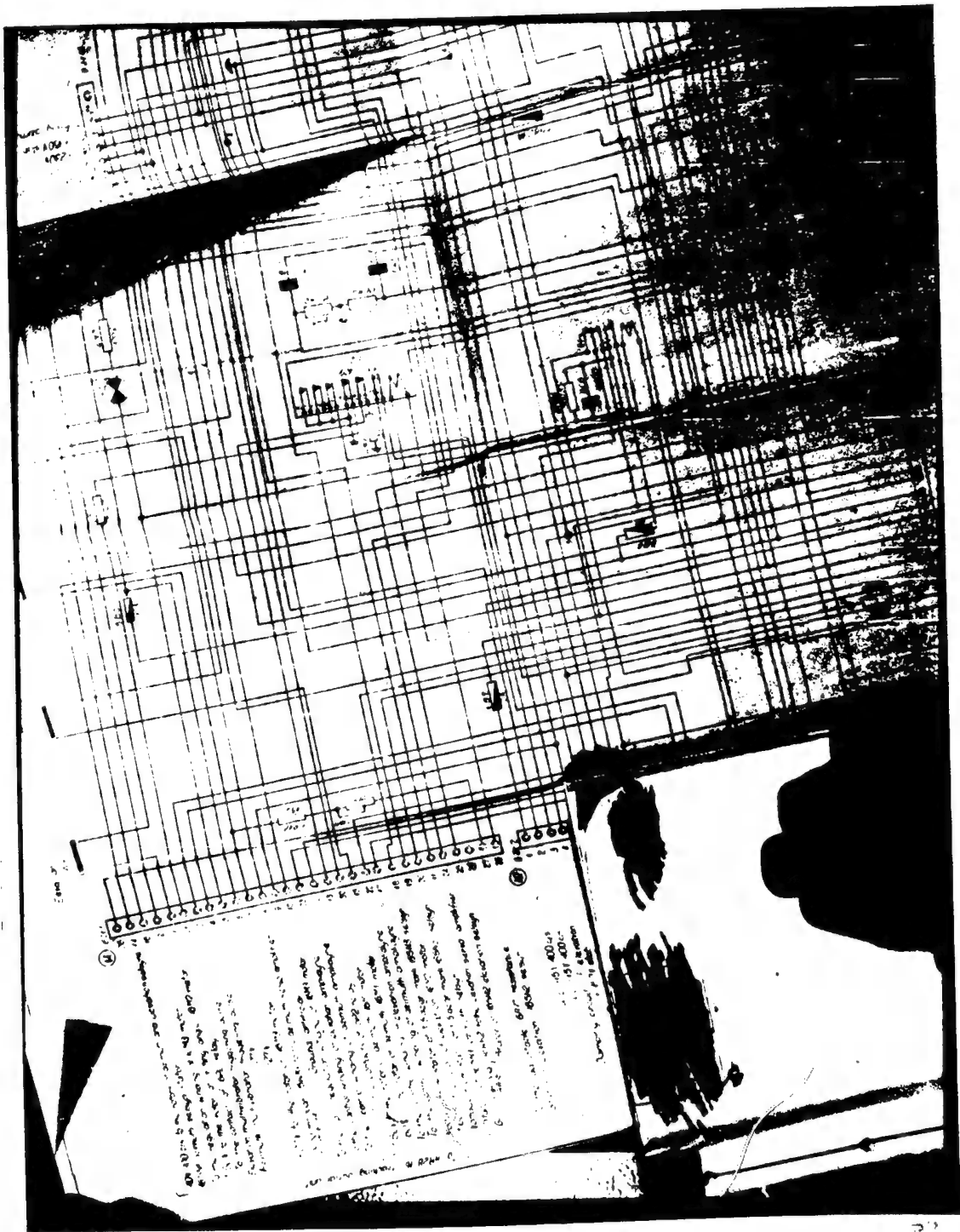
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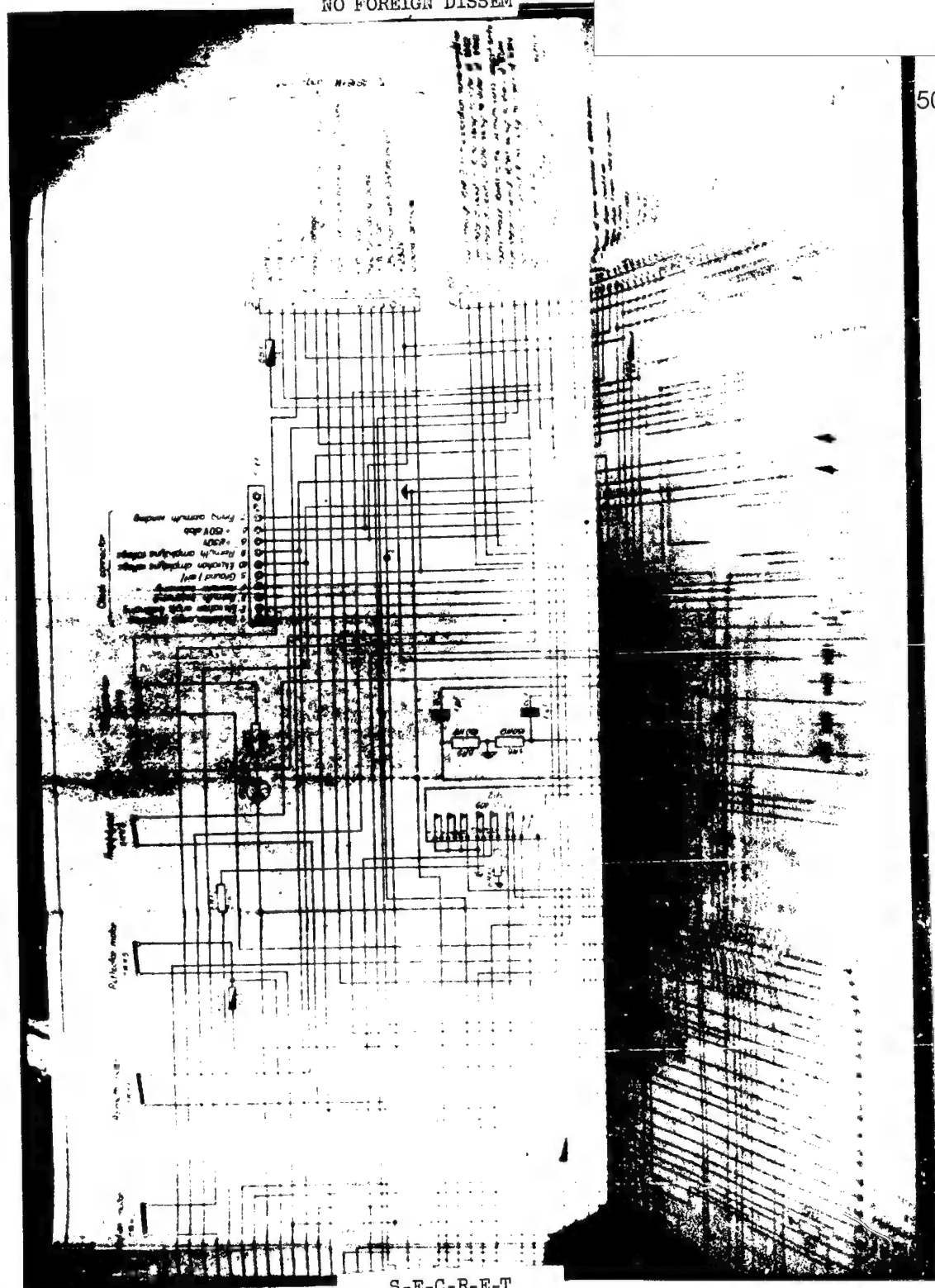


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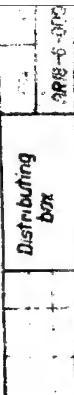
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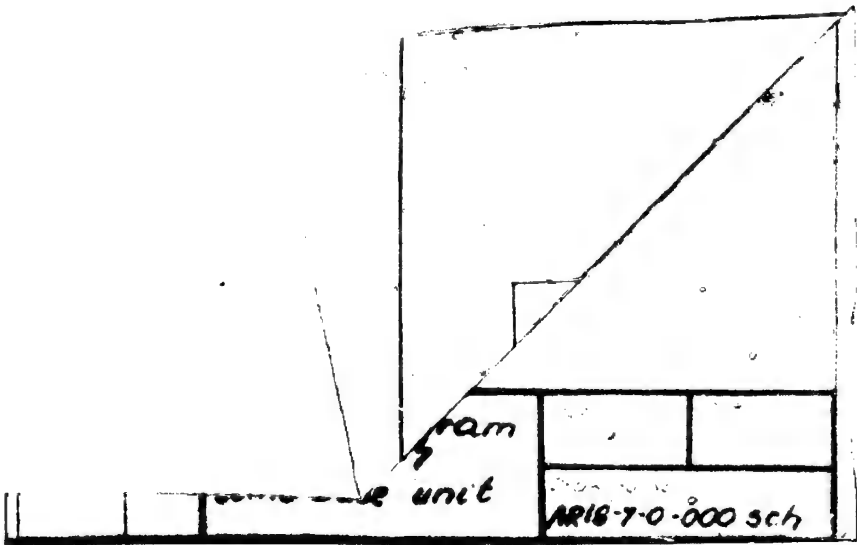


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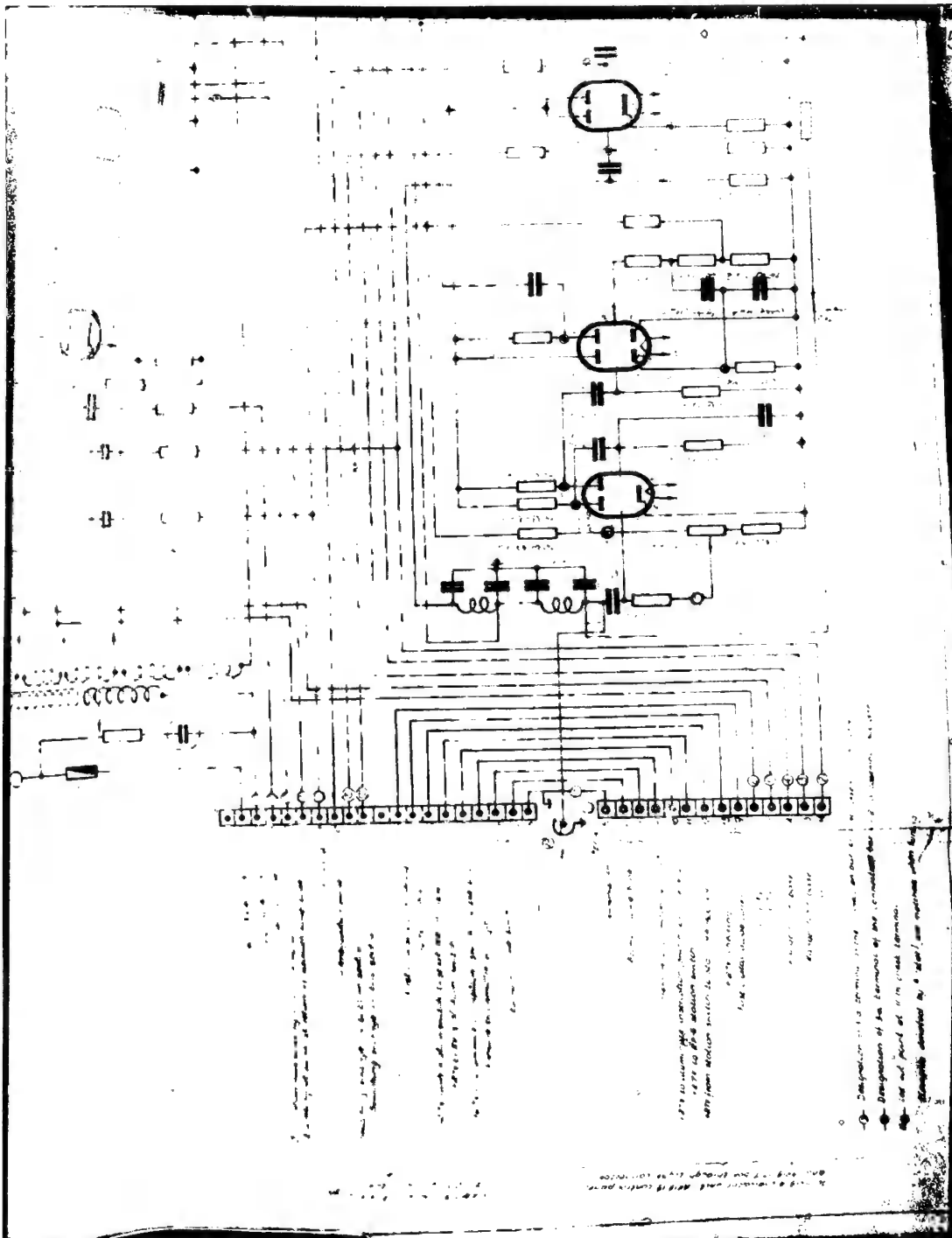


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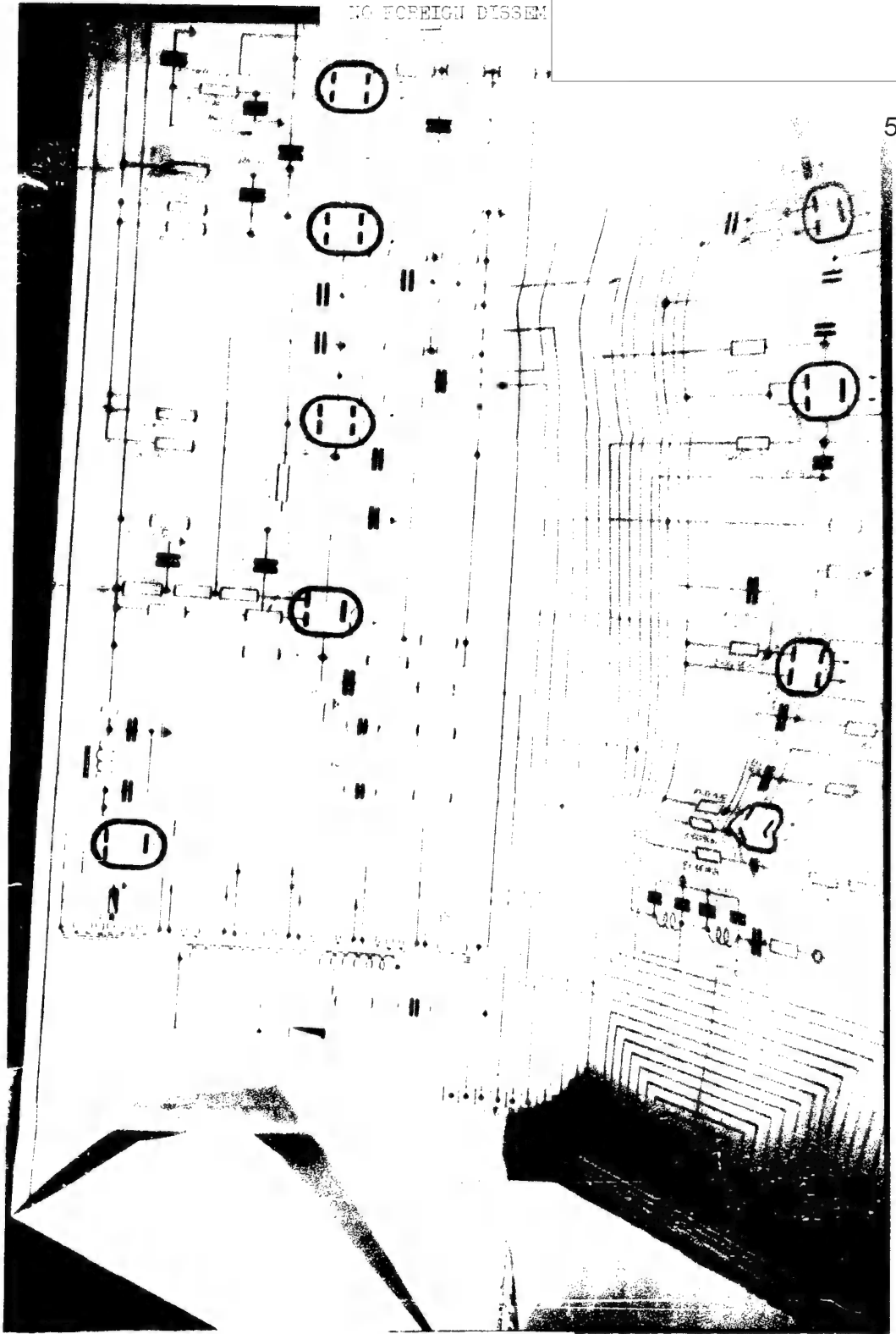
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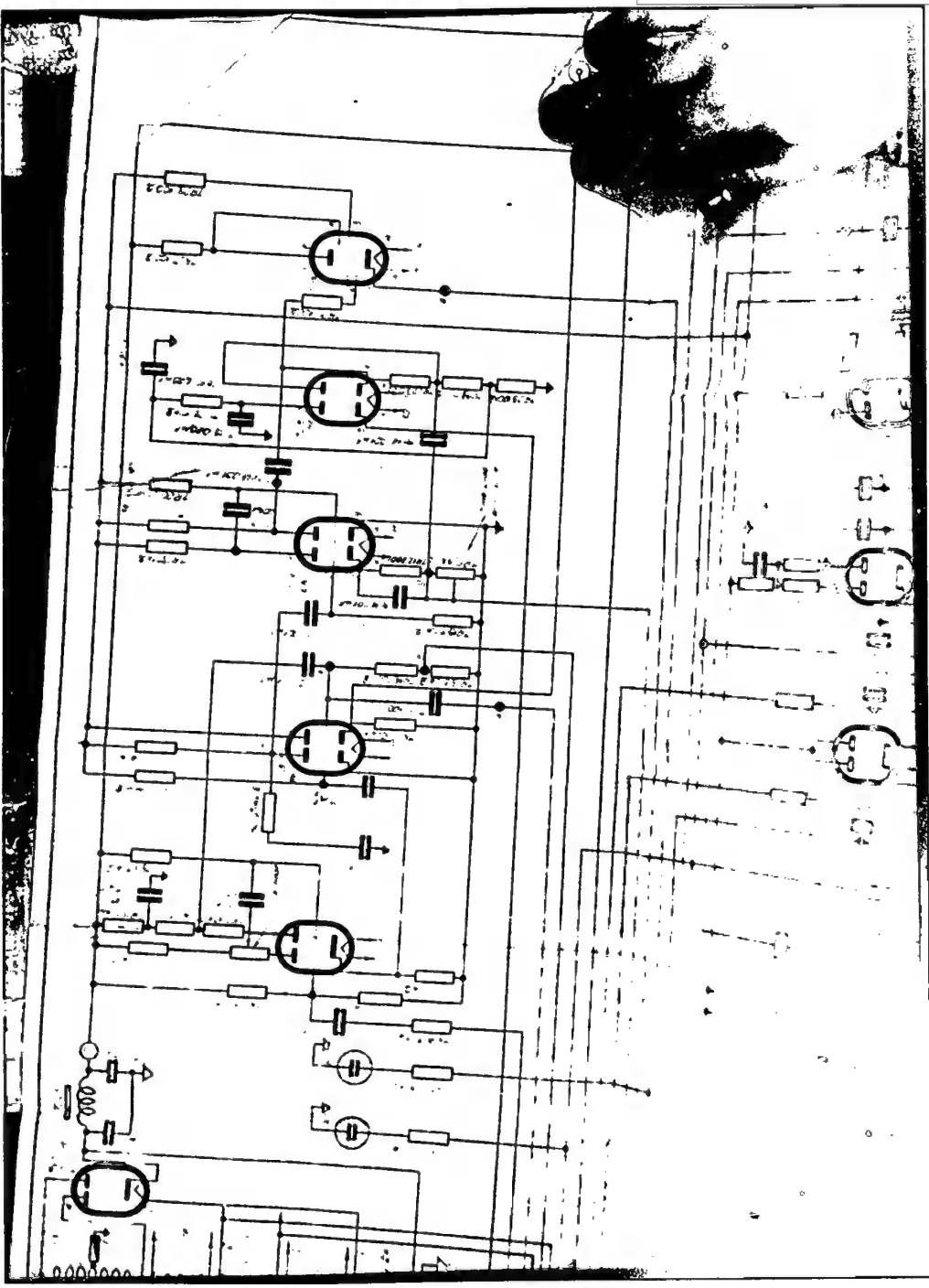


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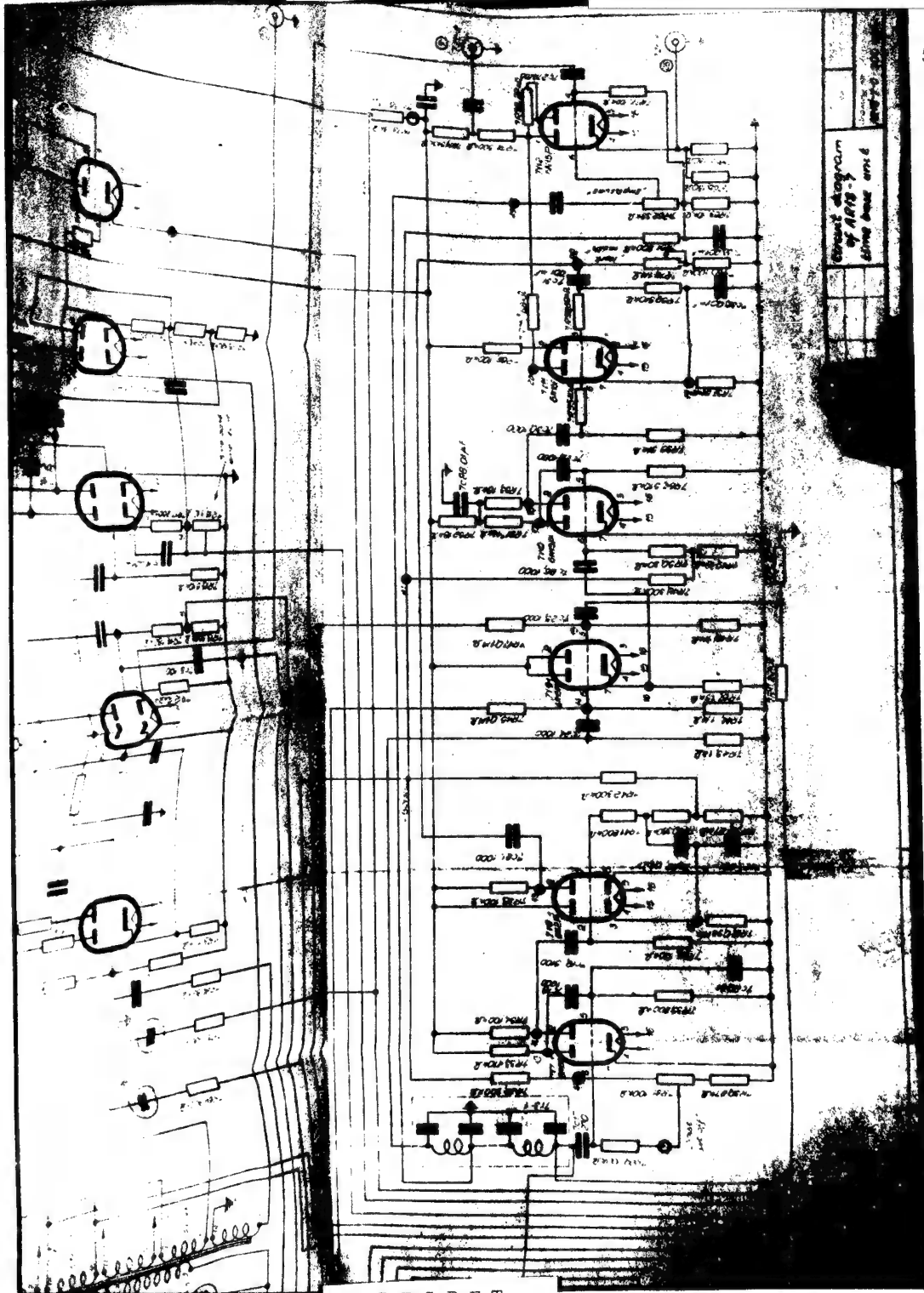
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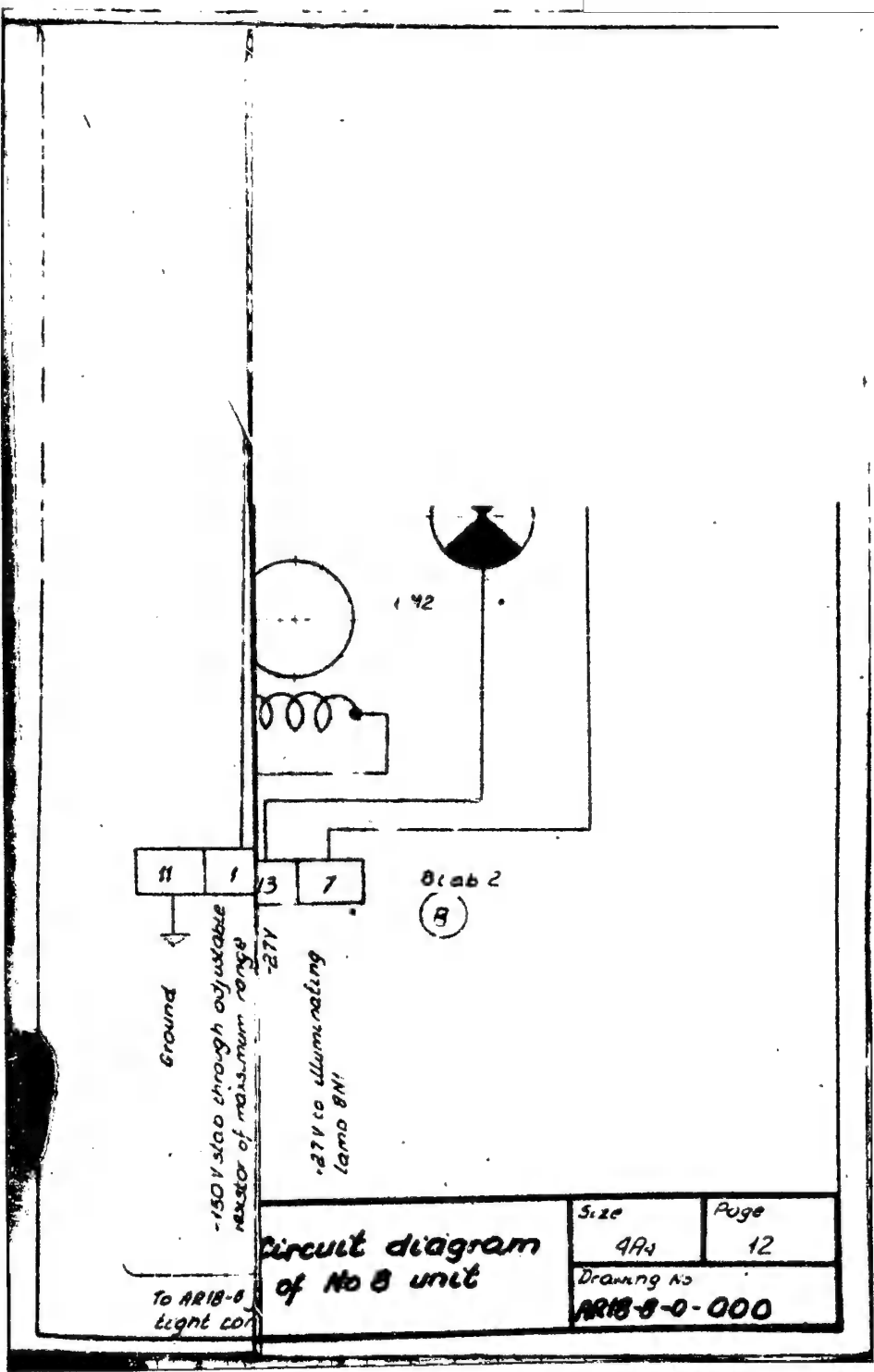


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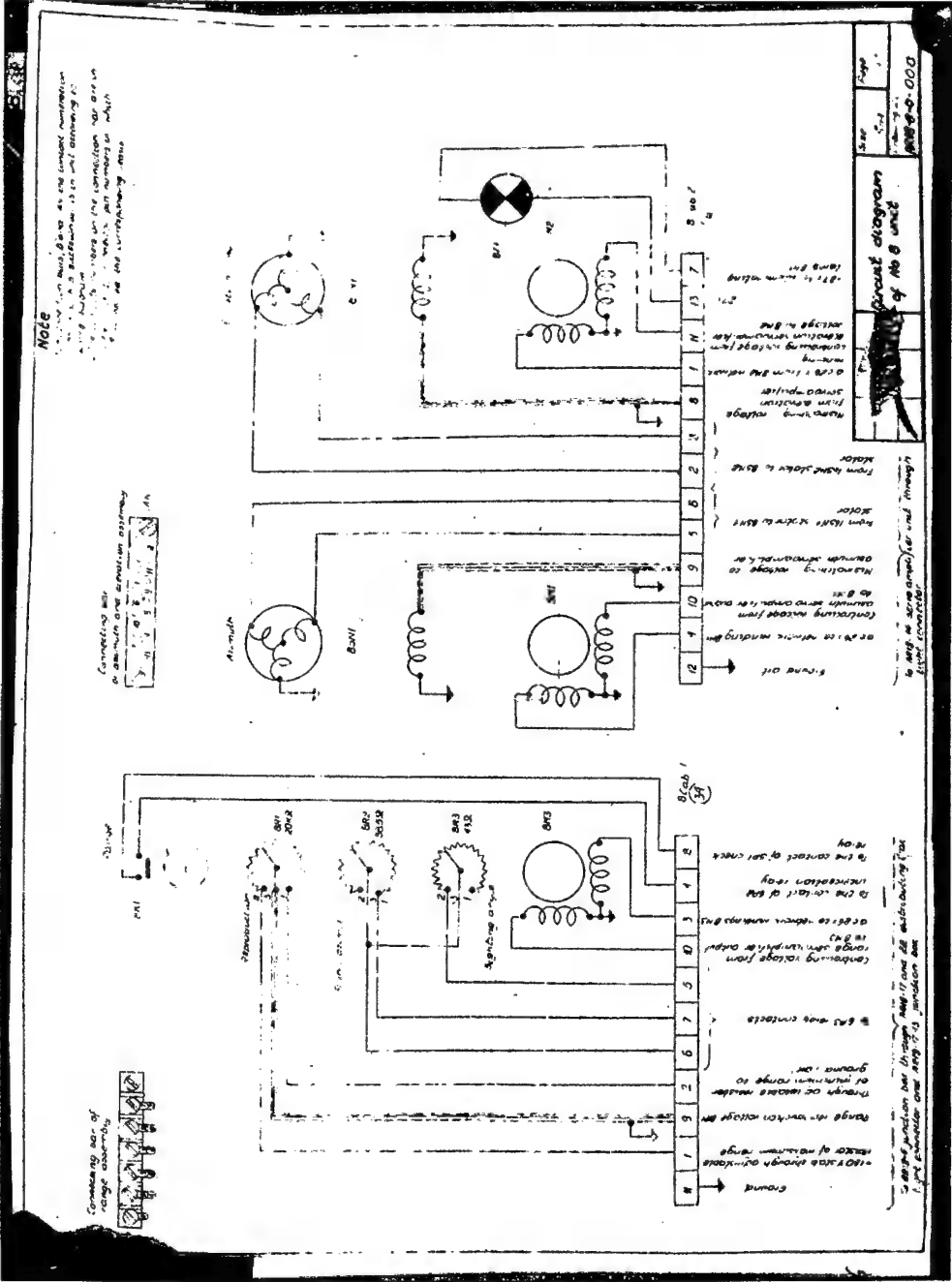


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Unit of amplidyne

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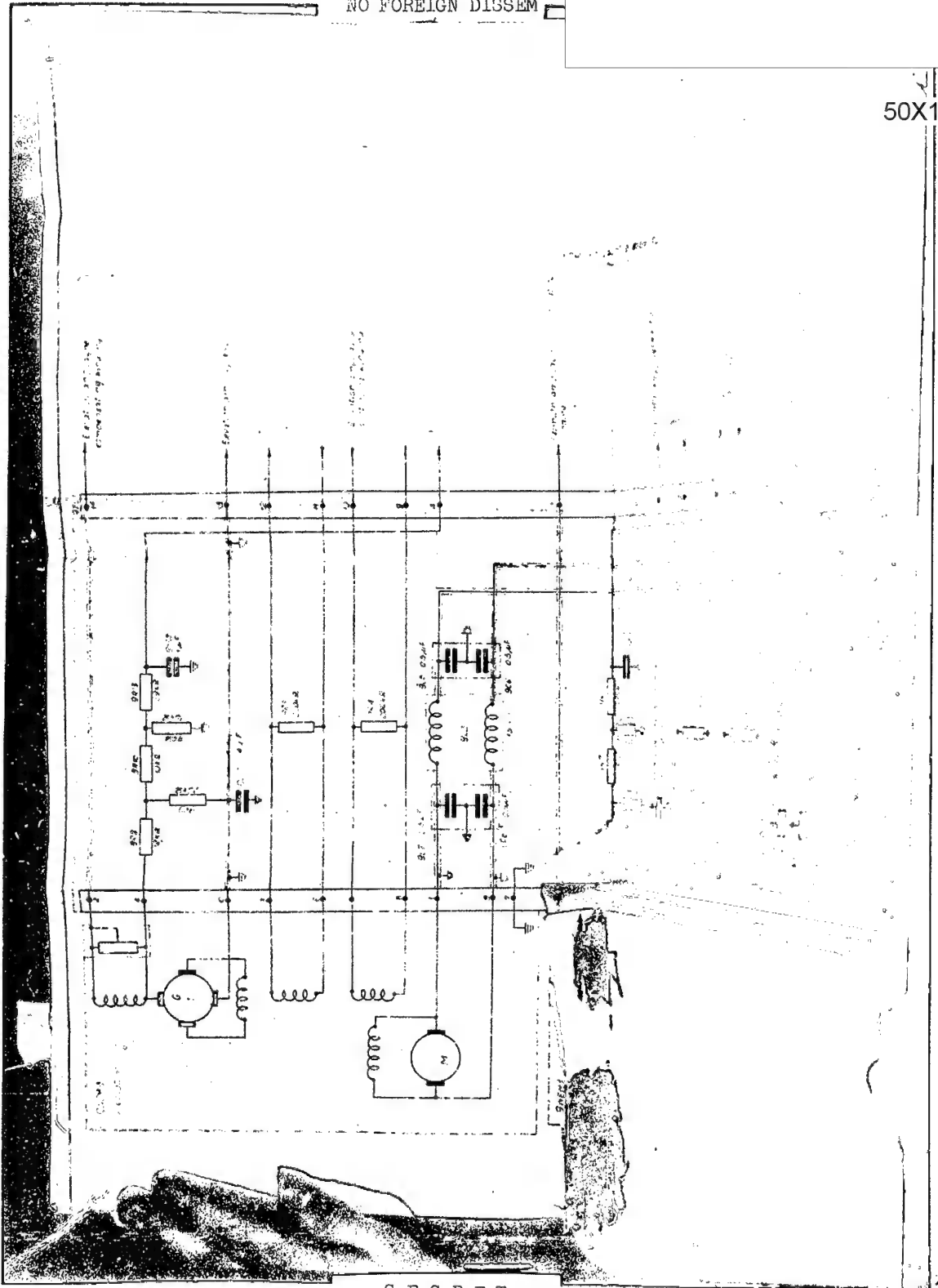
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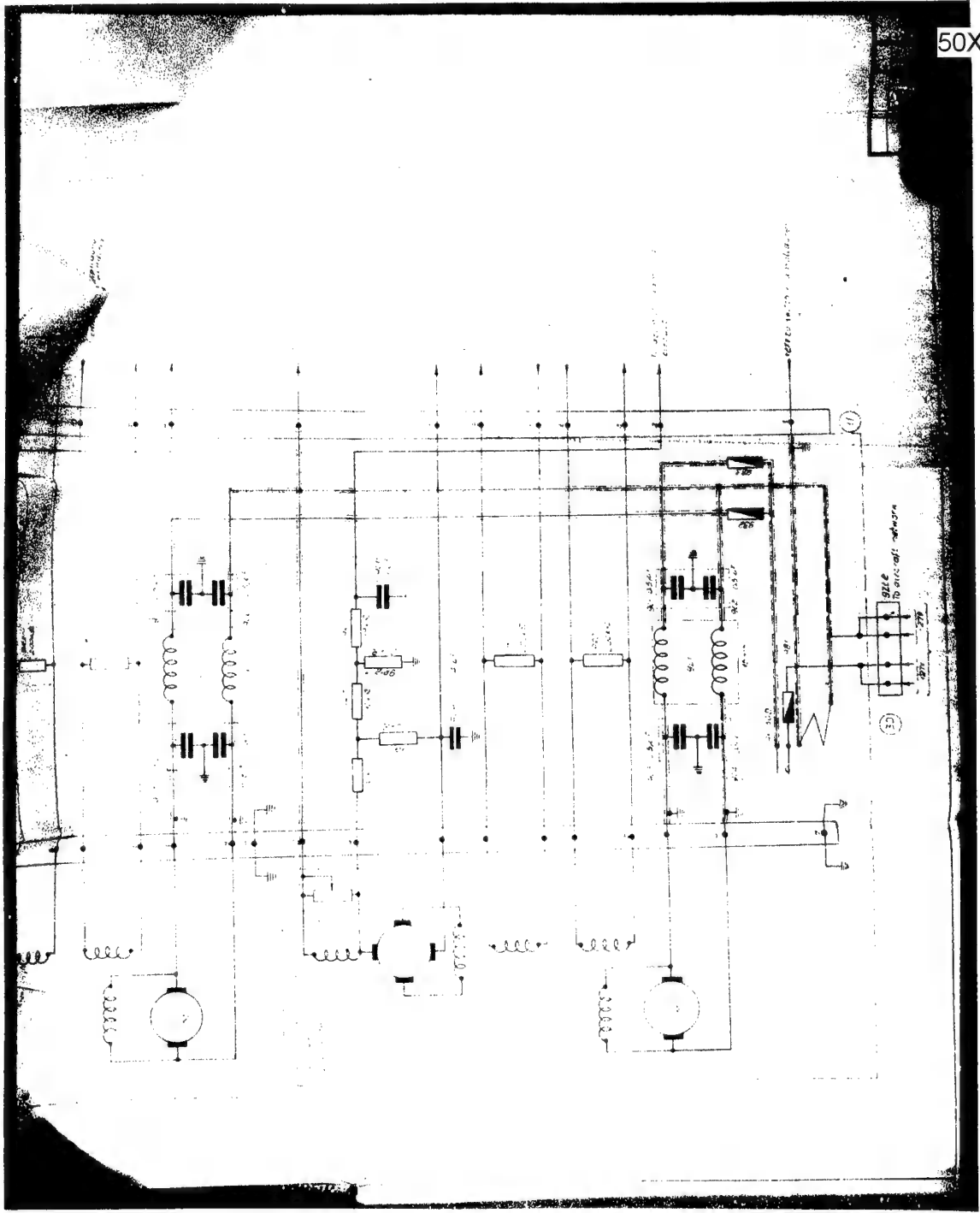
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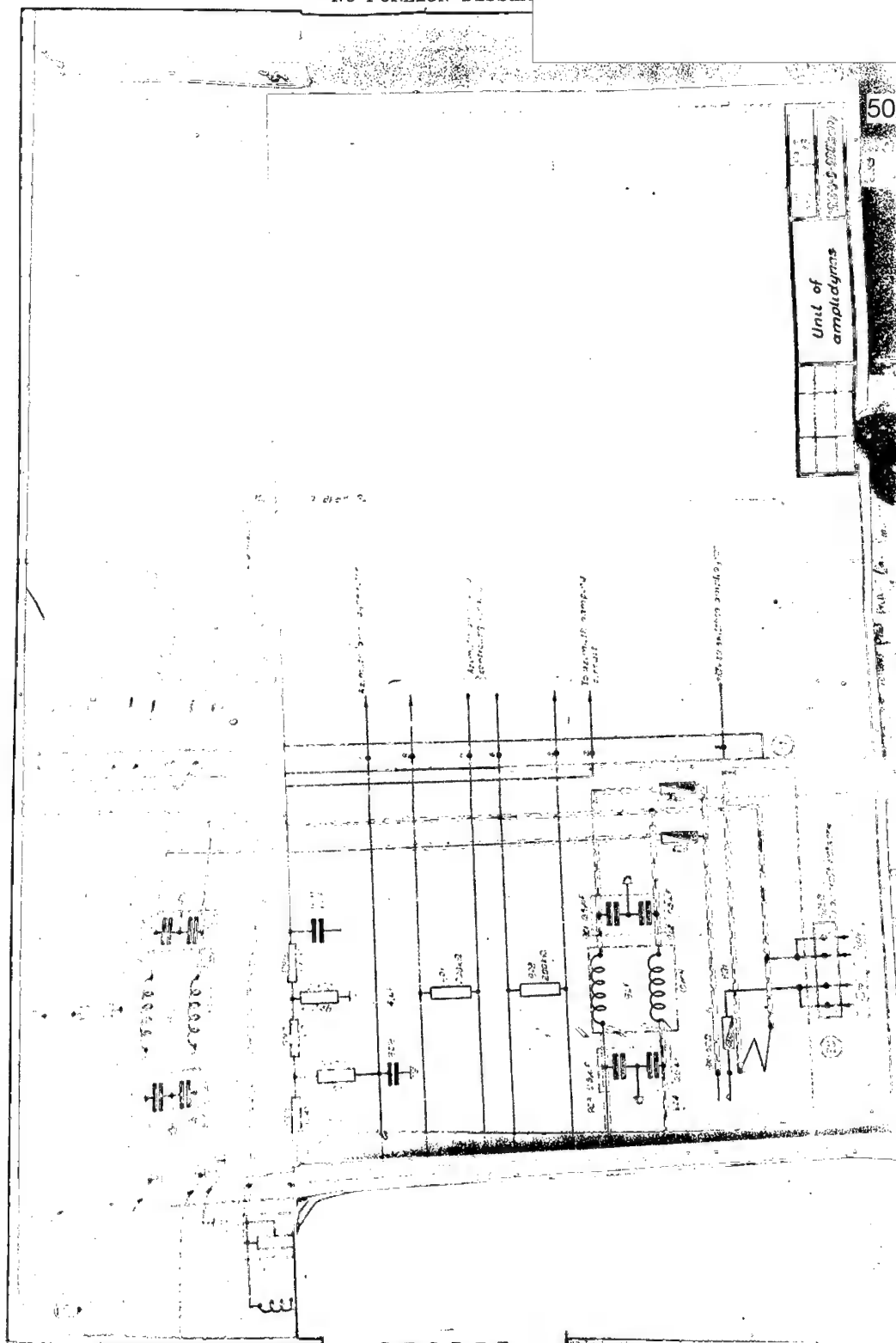




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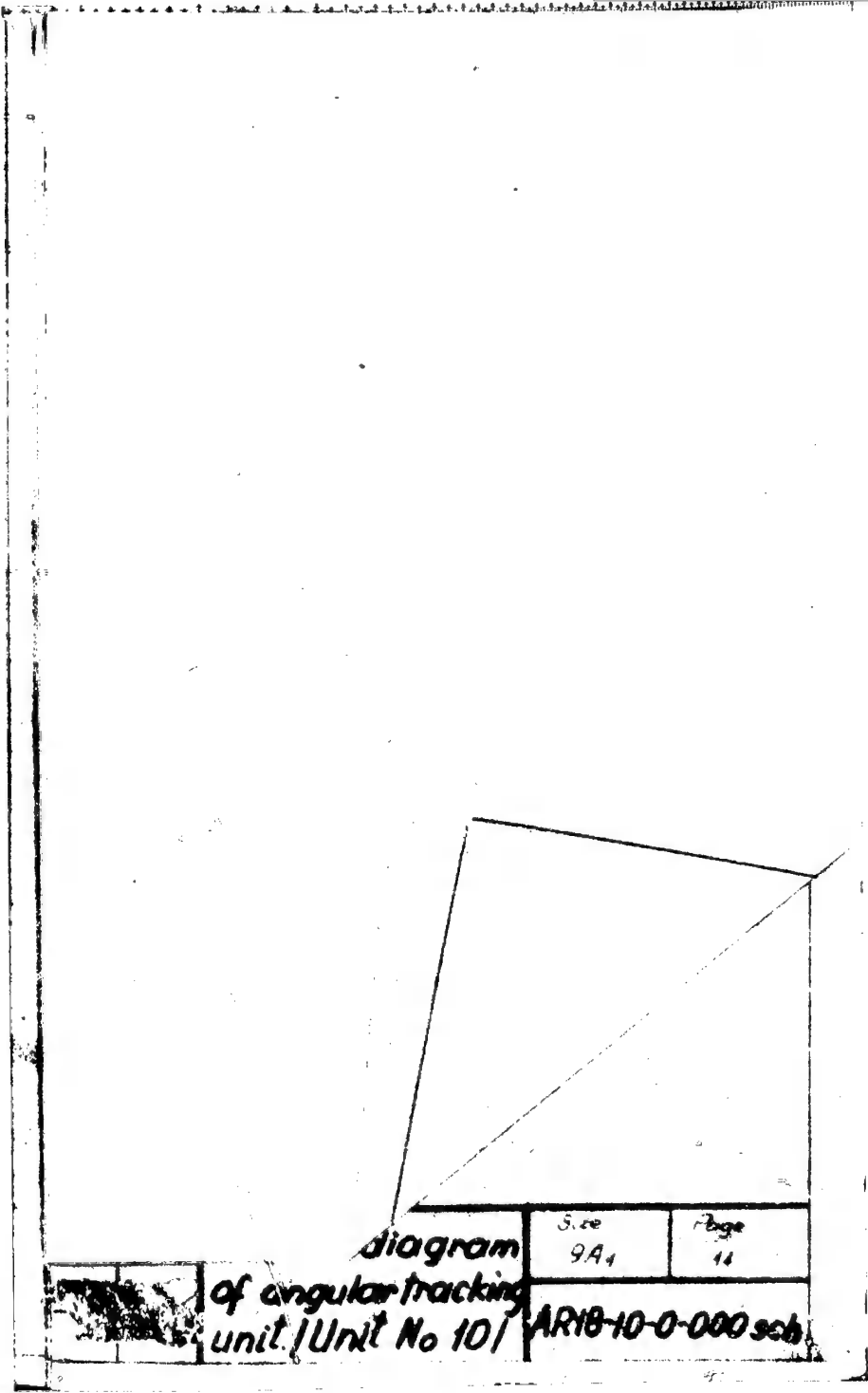
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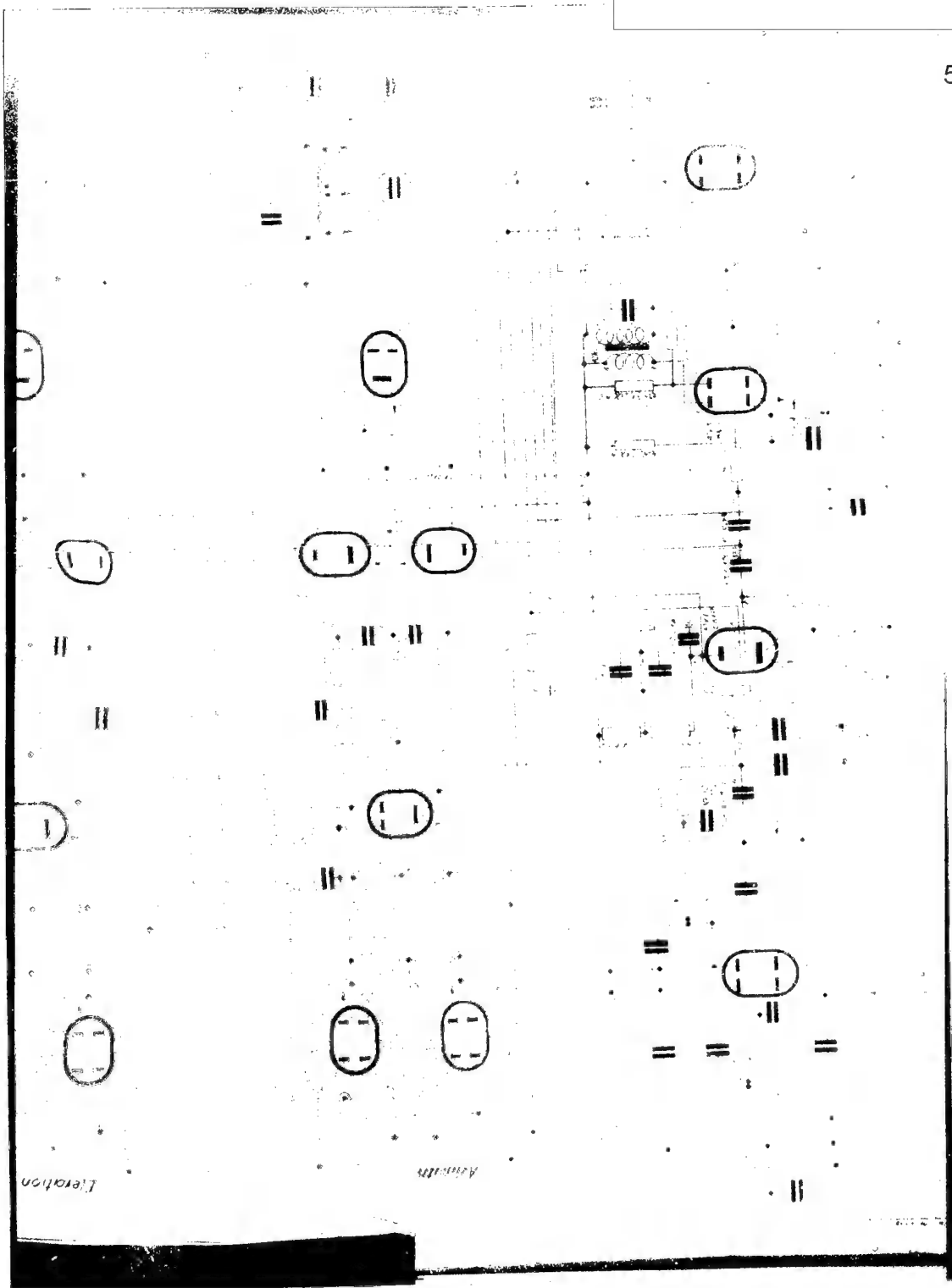


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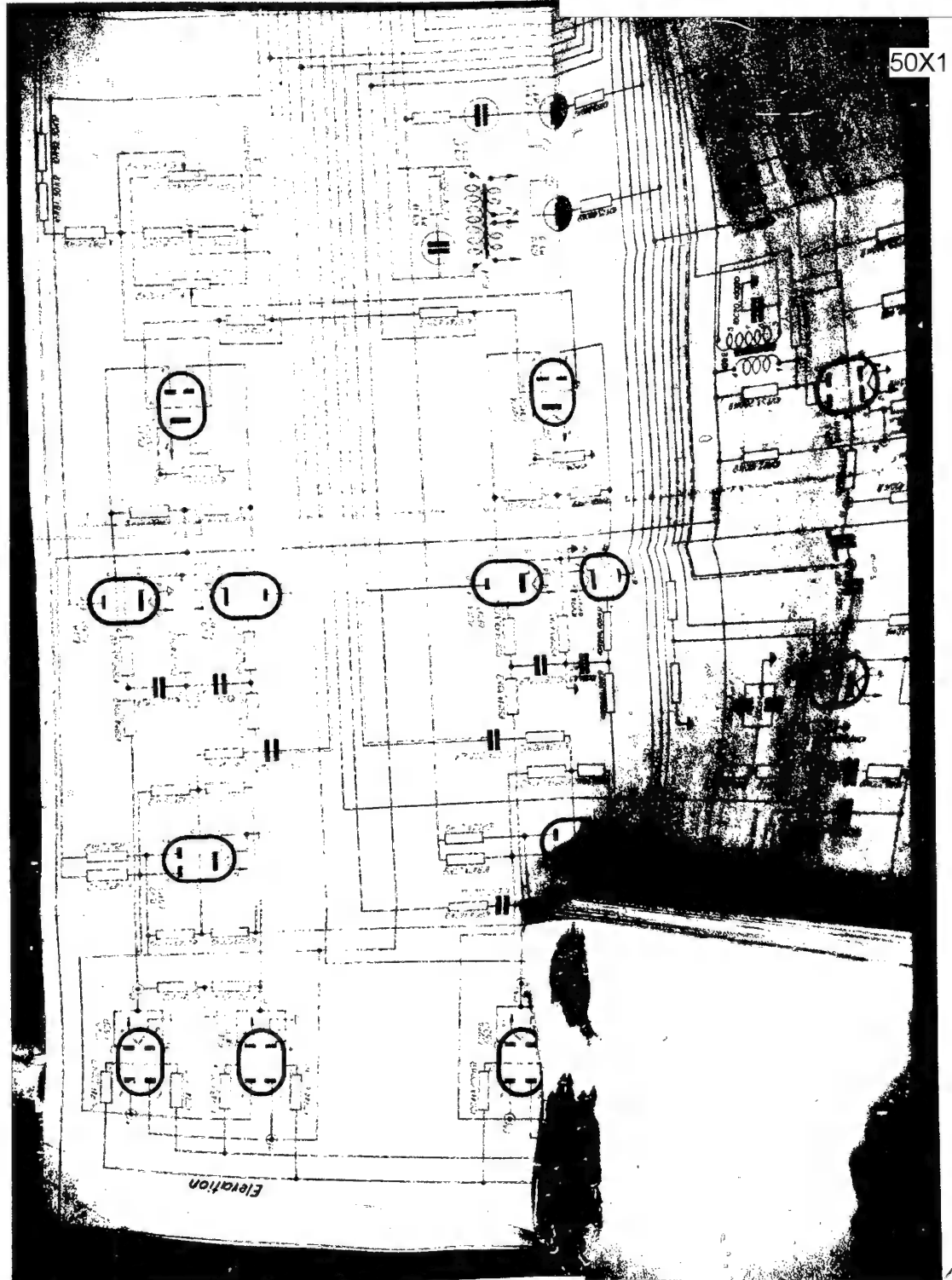
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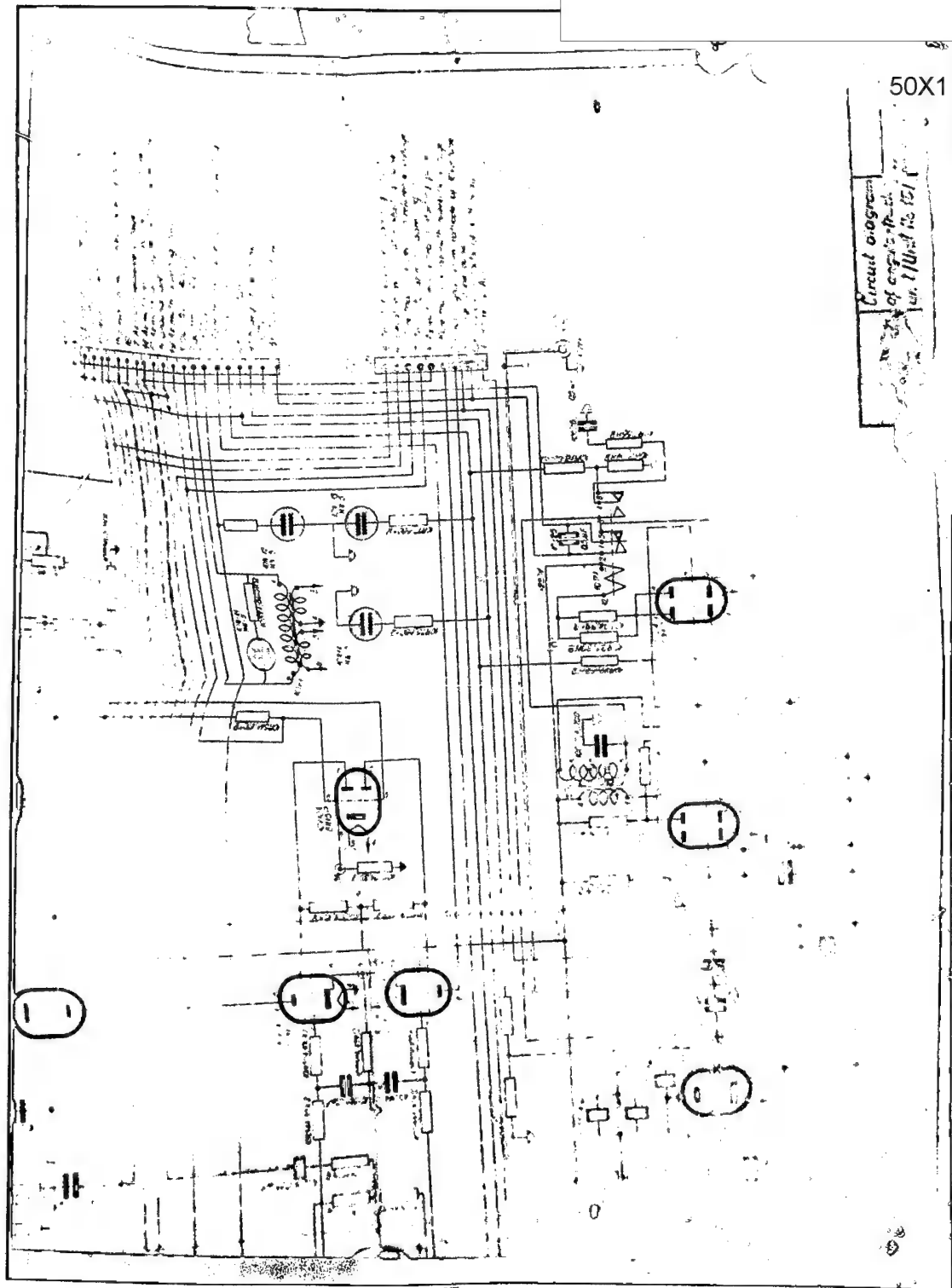
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Circuit diagram  
of engine  
in 1/10-12/15/1

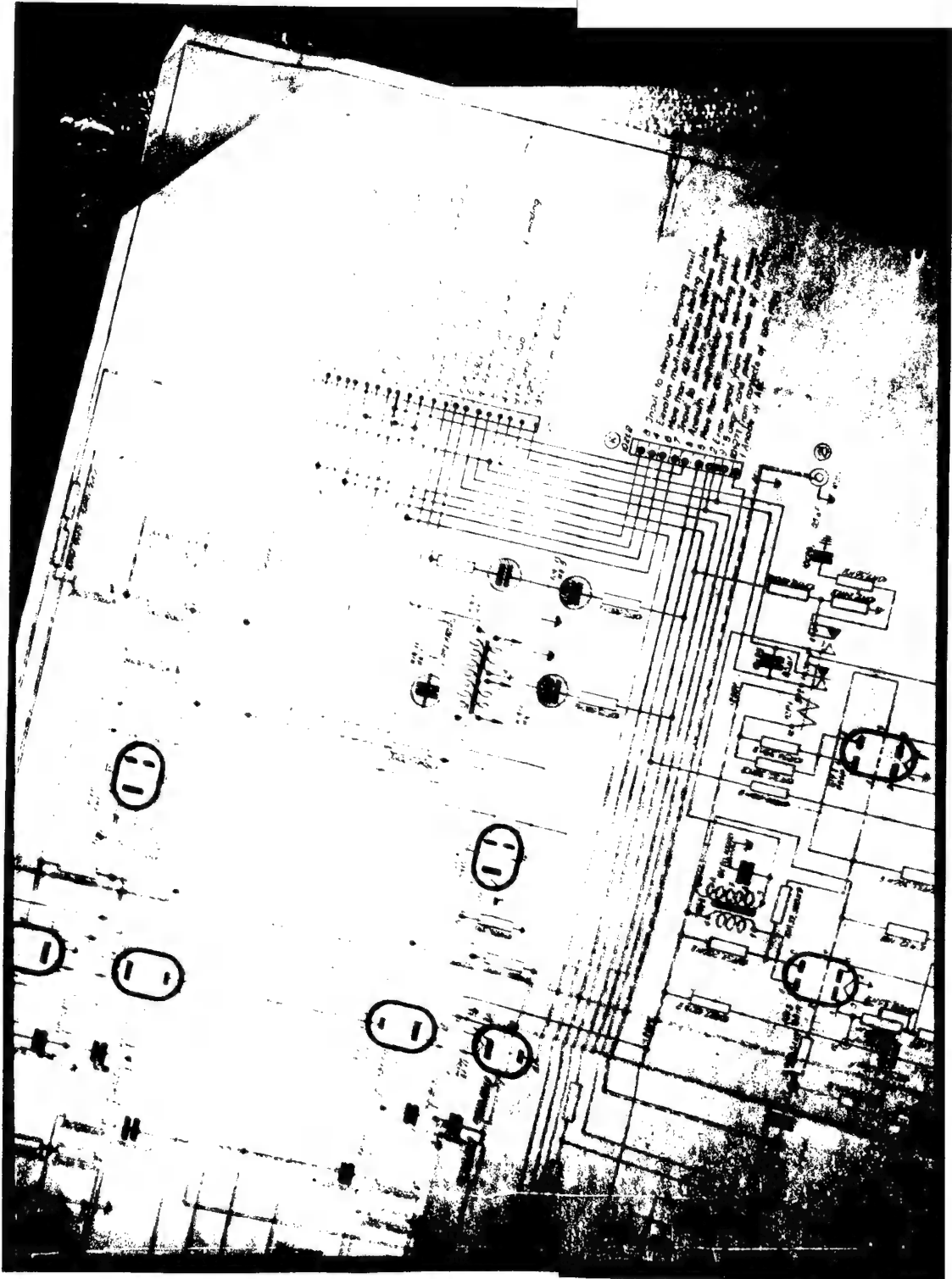


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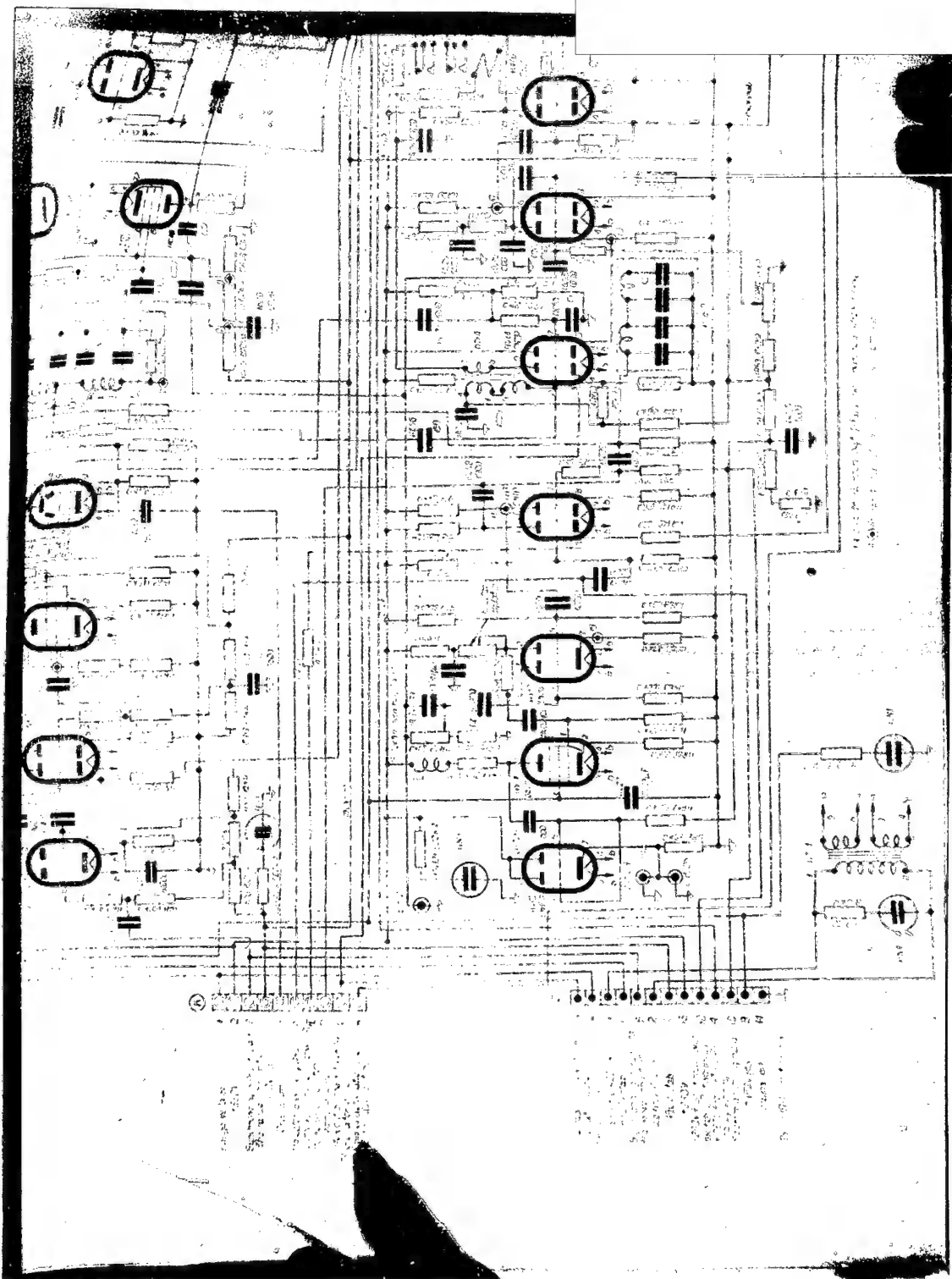
Circuit Diagram of AR18-11  
Range Unit

AR18-11-0-000

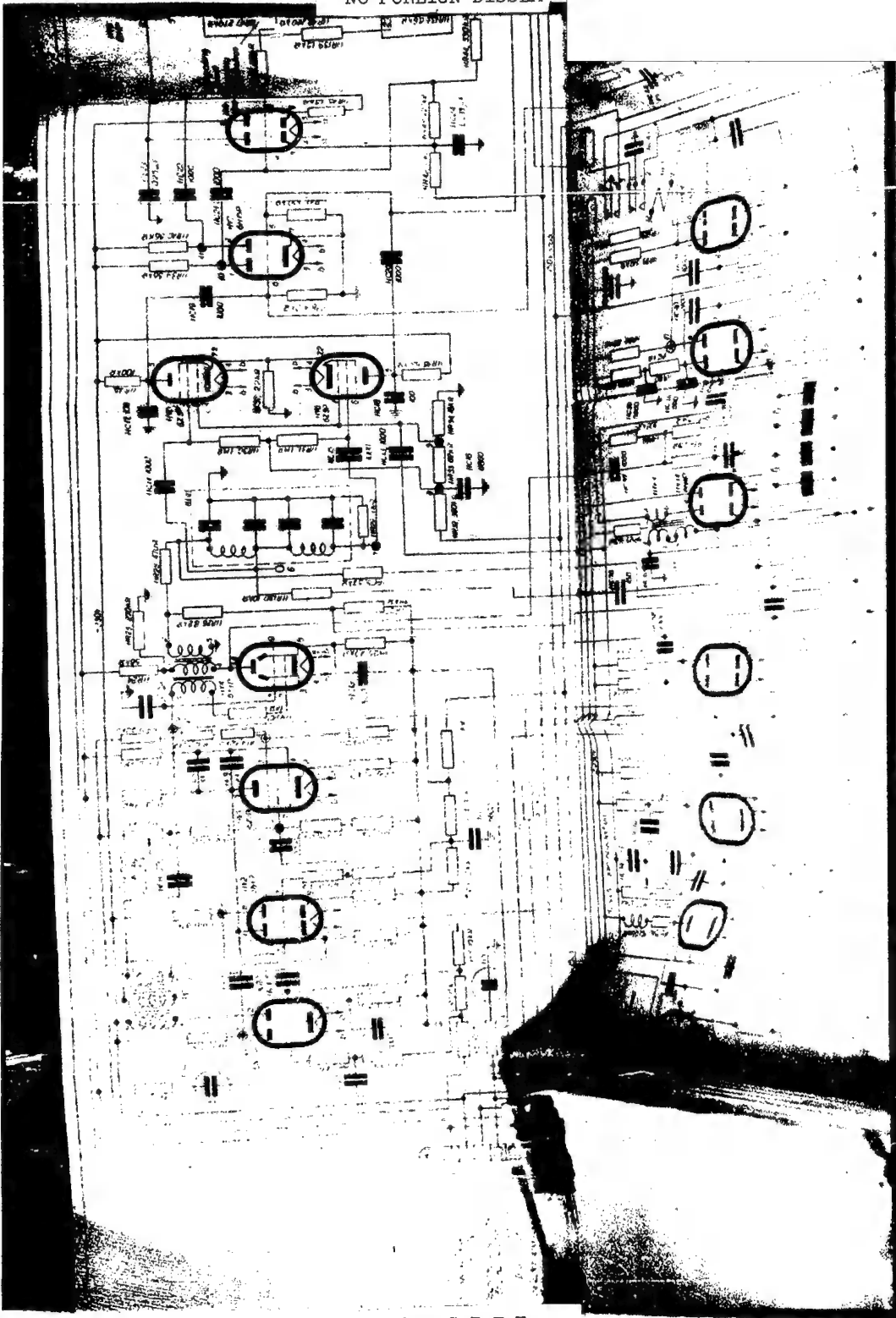
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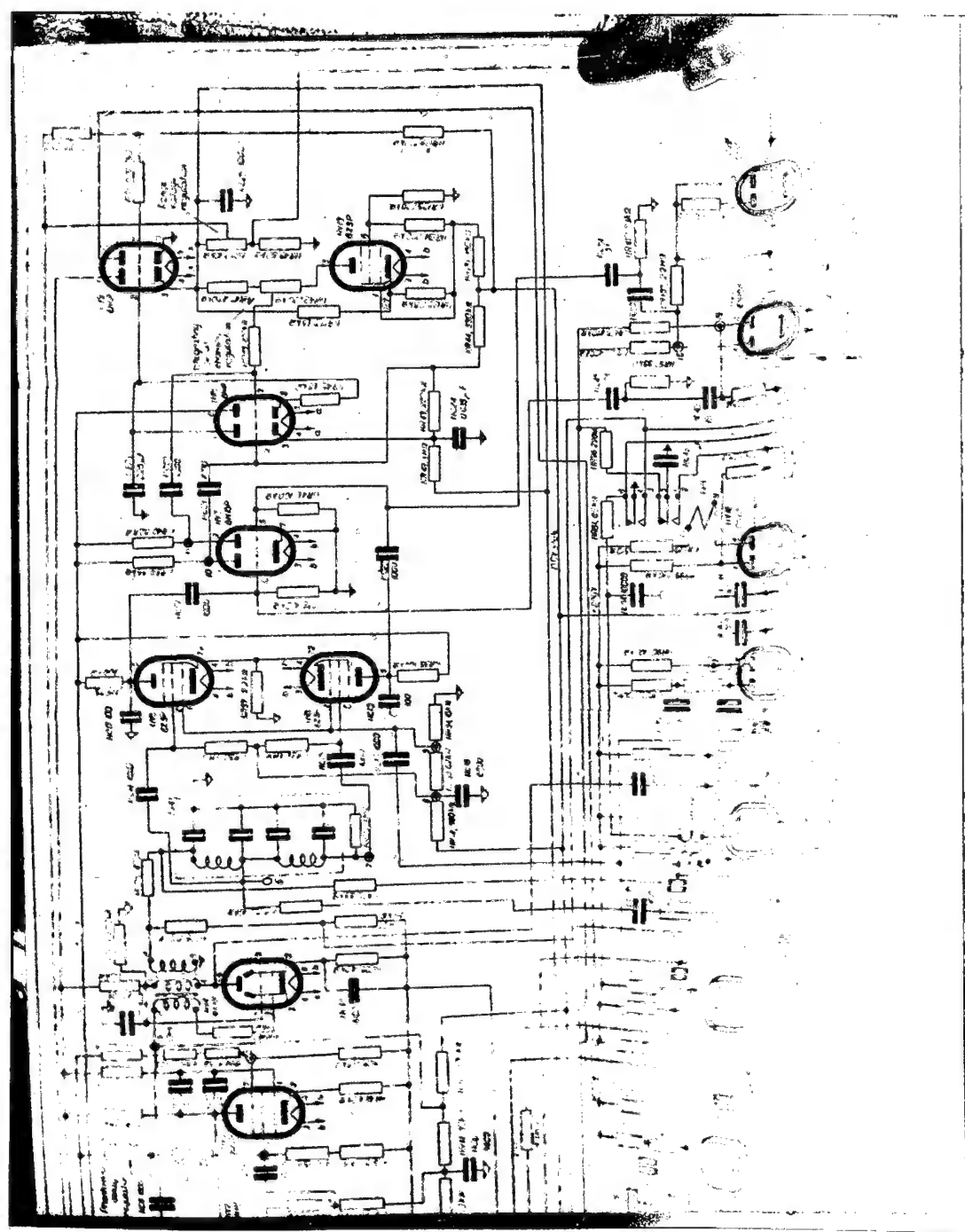
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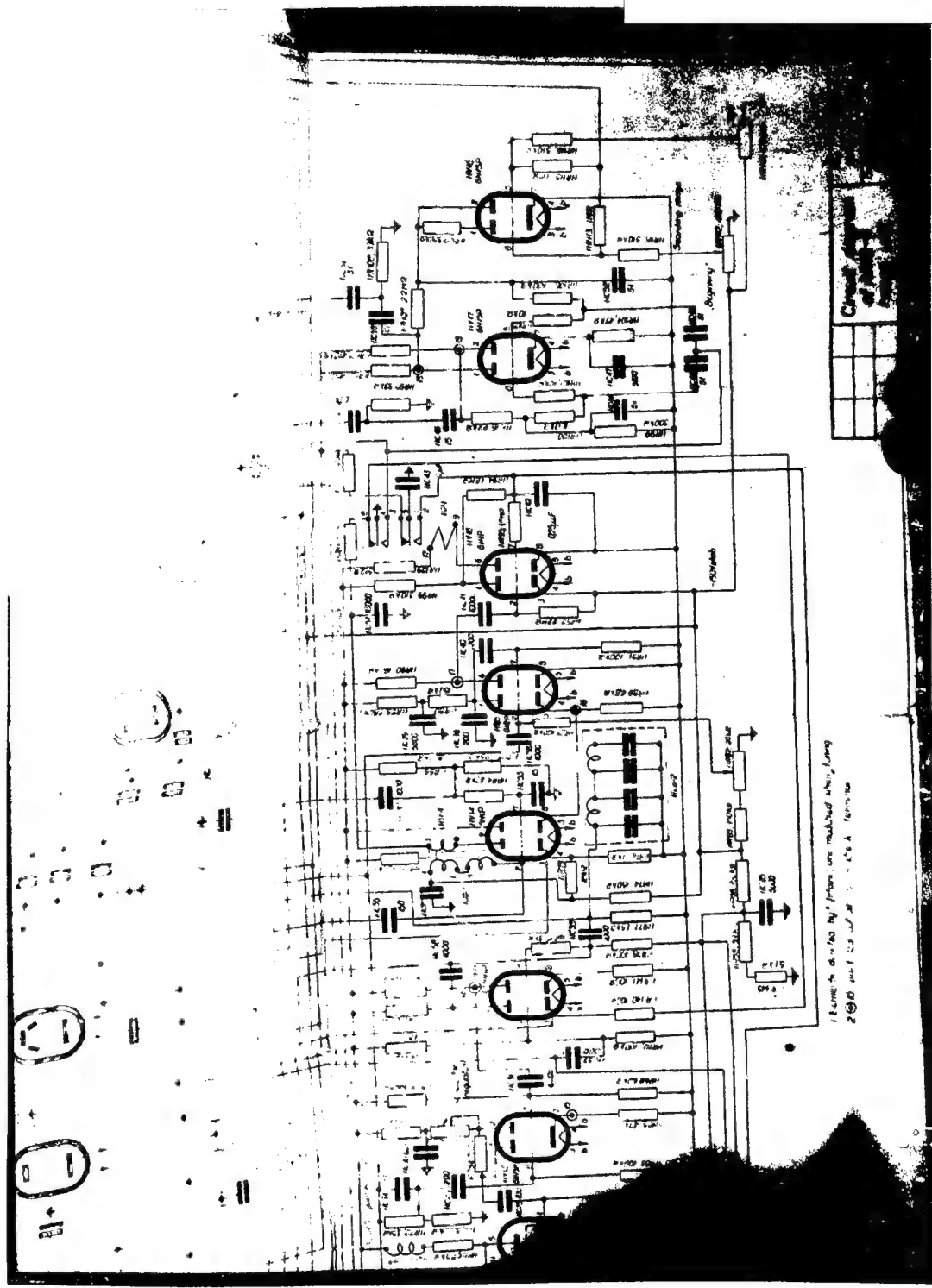


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NO FOREIGN DISSEM

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NO FOREIGN DISSEM



50X1

		of supply and estimate	2-4	15
		time base unit	Drawing No	
		AMS-2	AMS-2-0-000	

5X

S-E-C-R-E-T  
NO FOREIGN DISSEM

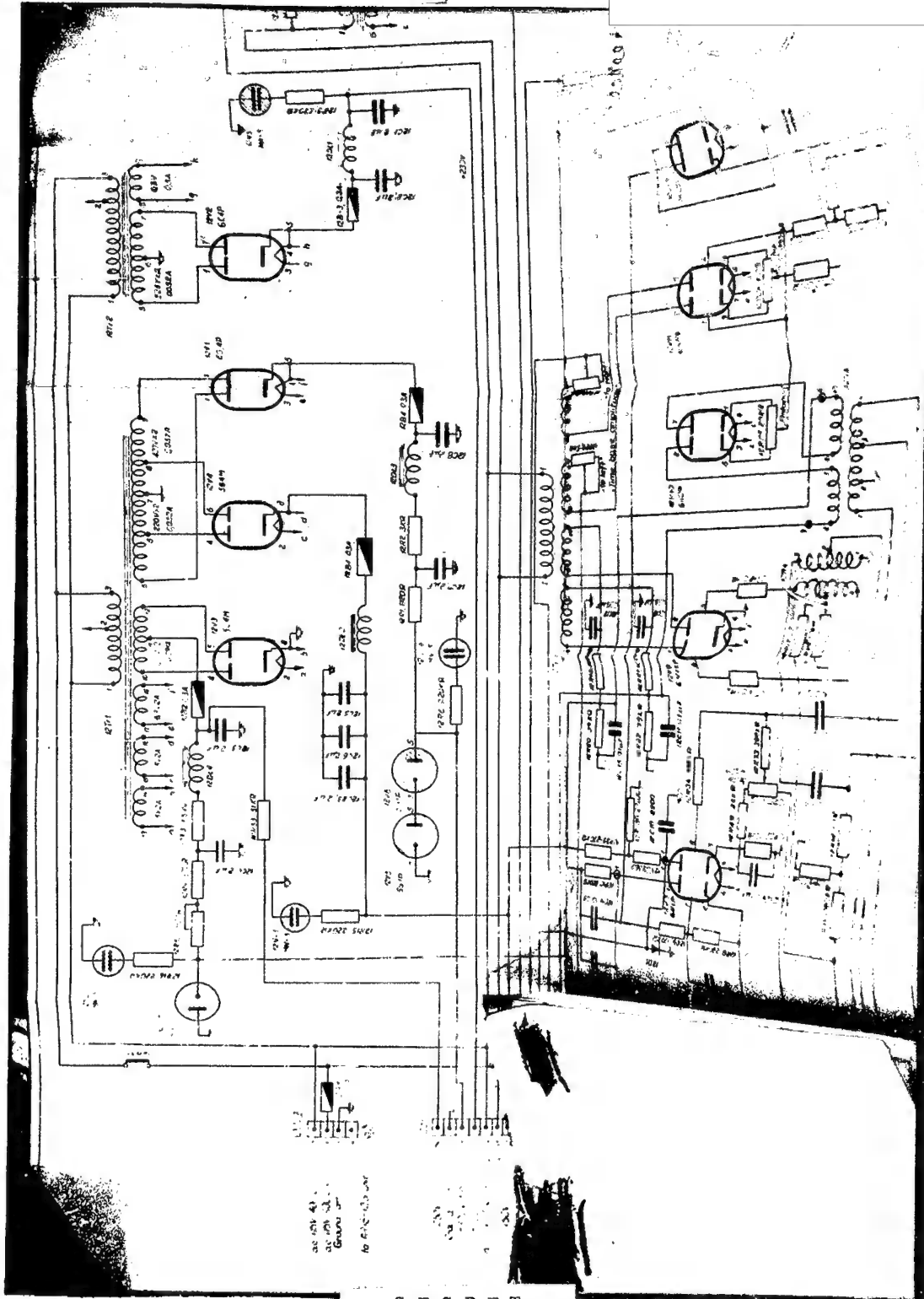
**Notes:**  
 1. The above is a preliminary report. The final report will be submitted by the end of the year.

S-E-C-R-E-T

19

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

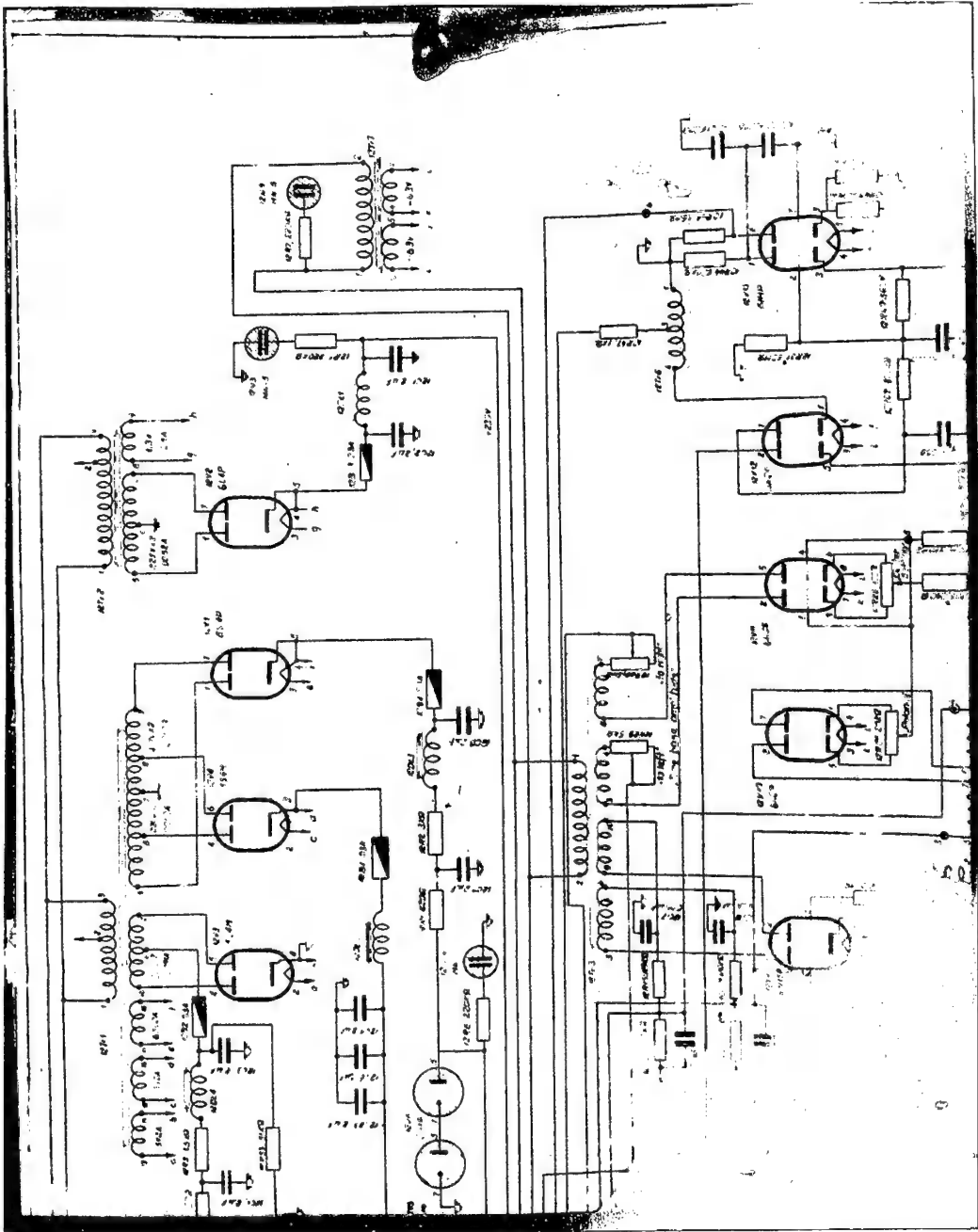


S-E-C-R-E-T  
NO FOREIGN DISSEM

66

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

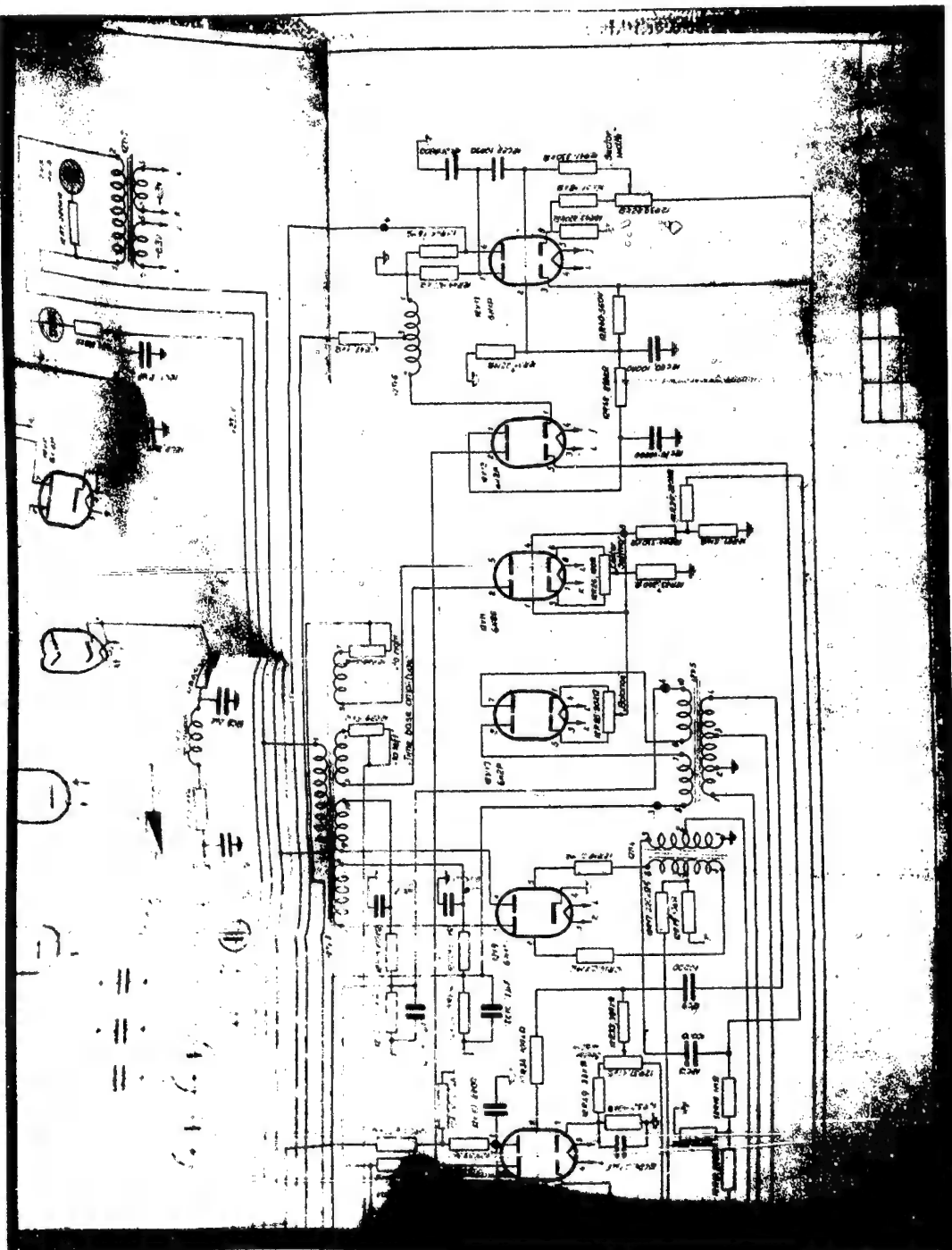


S-E-C-R-E-T  
NO FOREIGN DISSEM



S-E-C-R-E-T  
NO FOREIGN DISSEM

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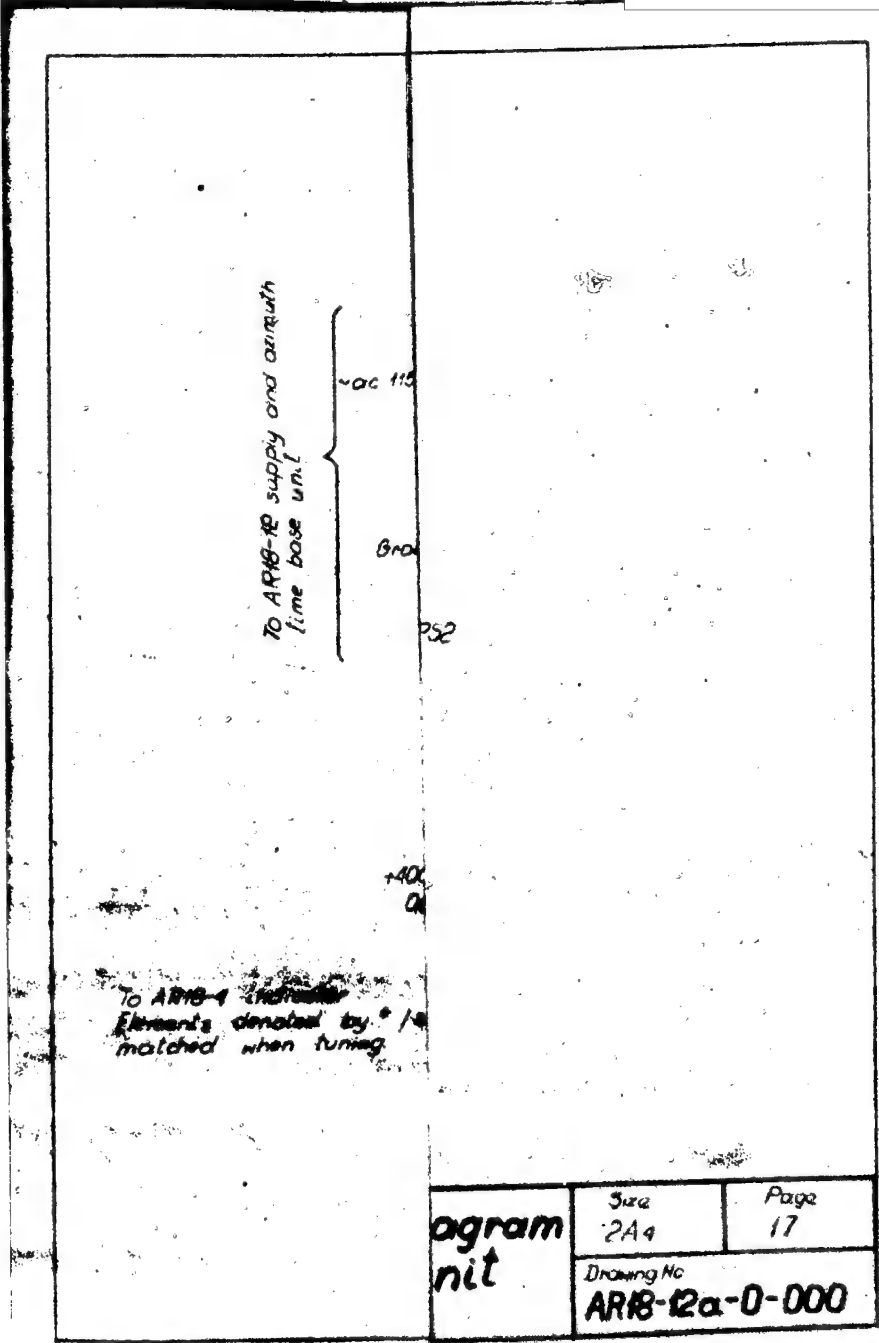


62

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NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

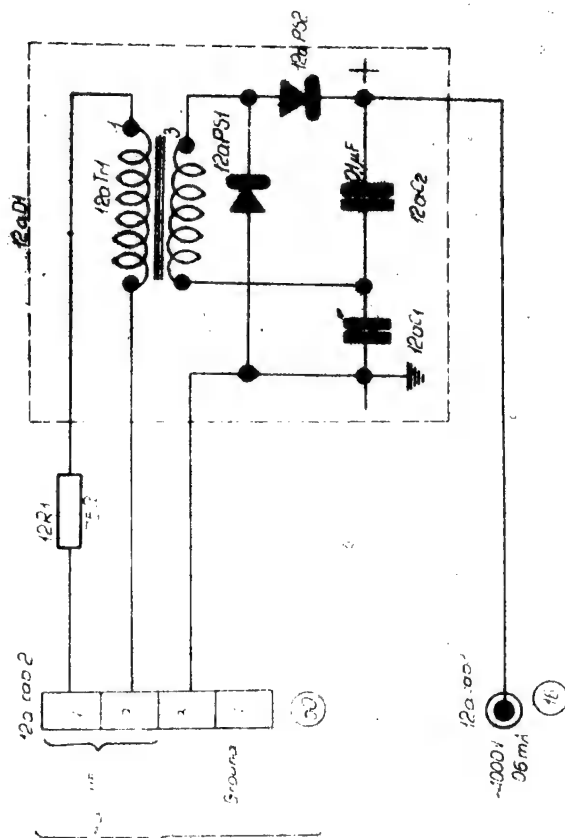
50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM

Circuit diagram	Date	Page
of 42 A unit	2A4	17

7816-2a-3-000



- 248-4 indicator  
elements circled by \* / stars; are to be  
maintained after tuning

Declassified in Part - Sanitized Copy Approved for Release 2013/11/27 : CIA-RDP80T00246A073700210001-0

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

Circuit Diagram of  
No. 14 Unit

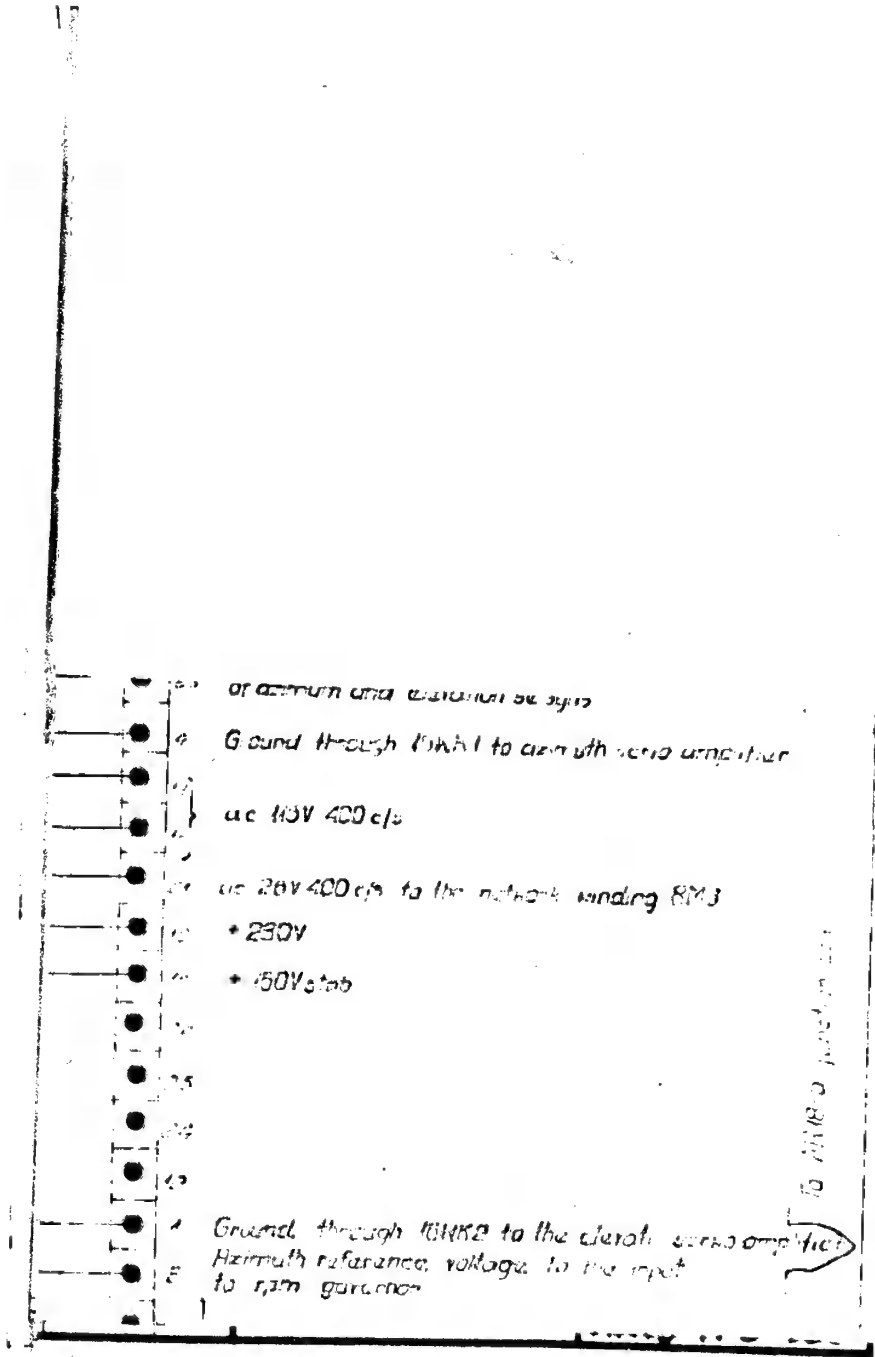
AR18-14-0-000

65

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NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T

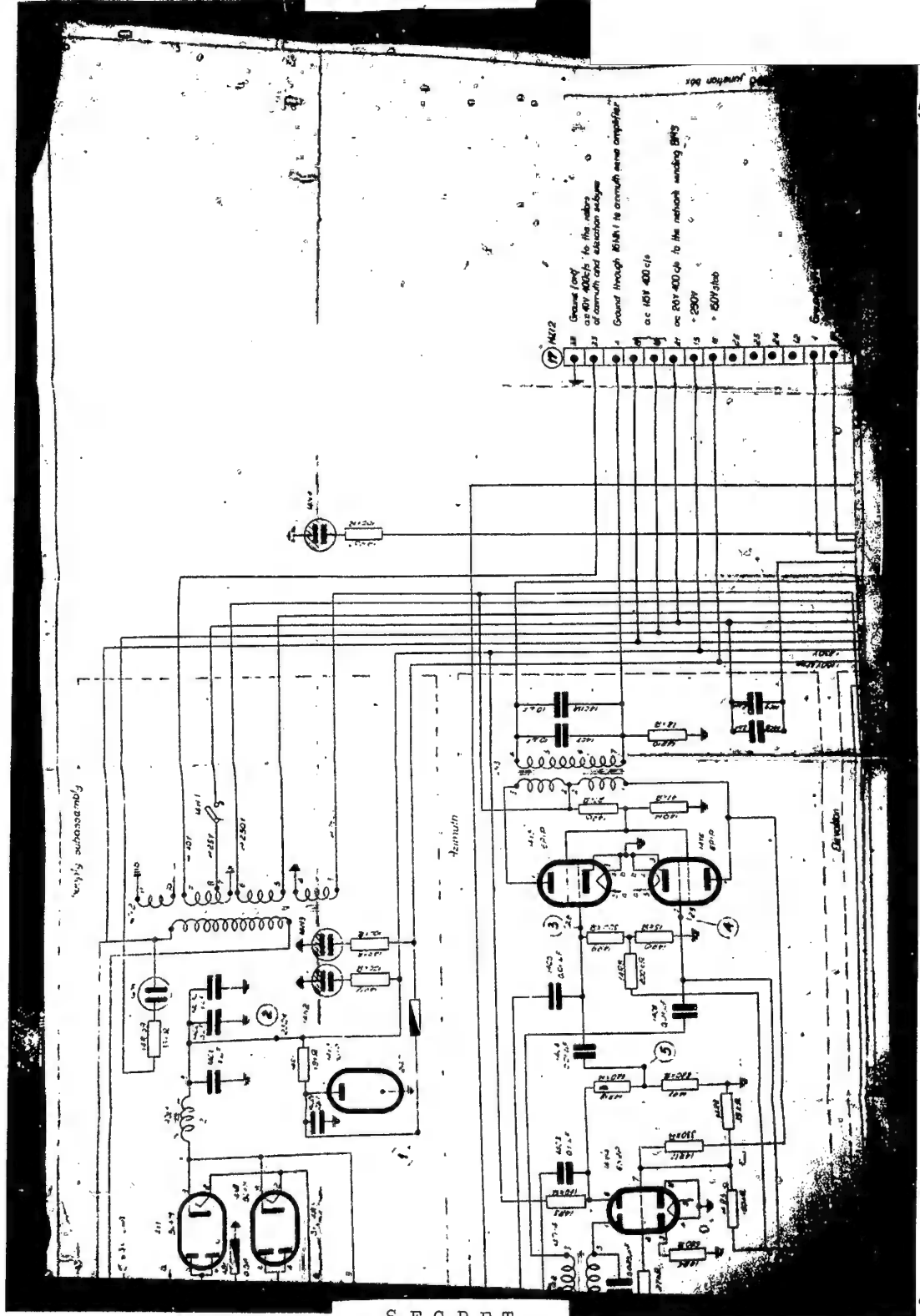
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1998

[illegible]

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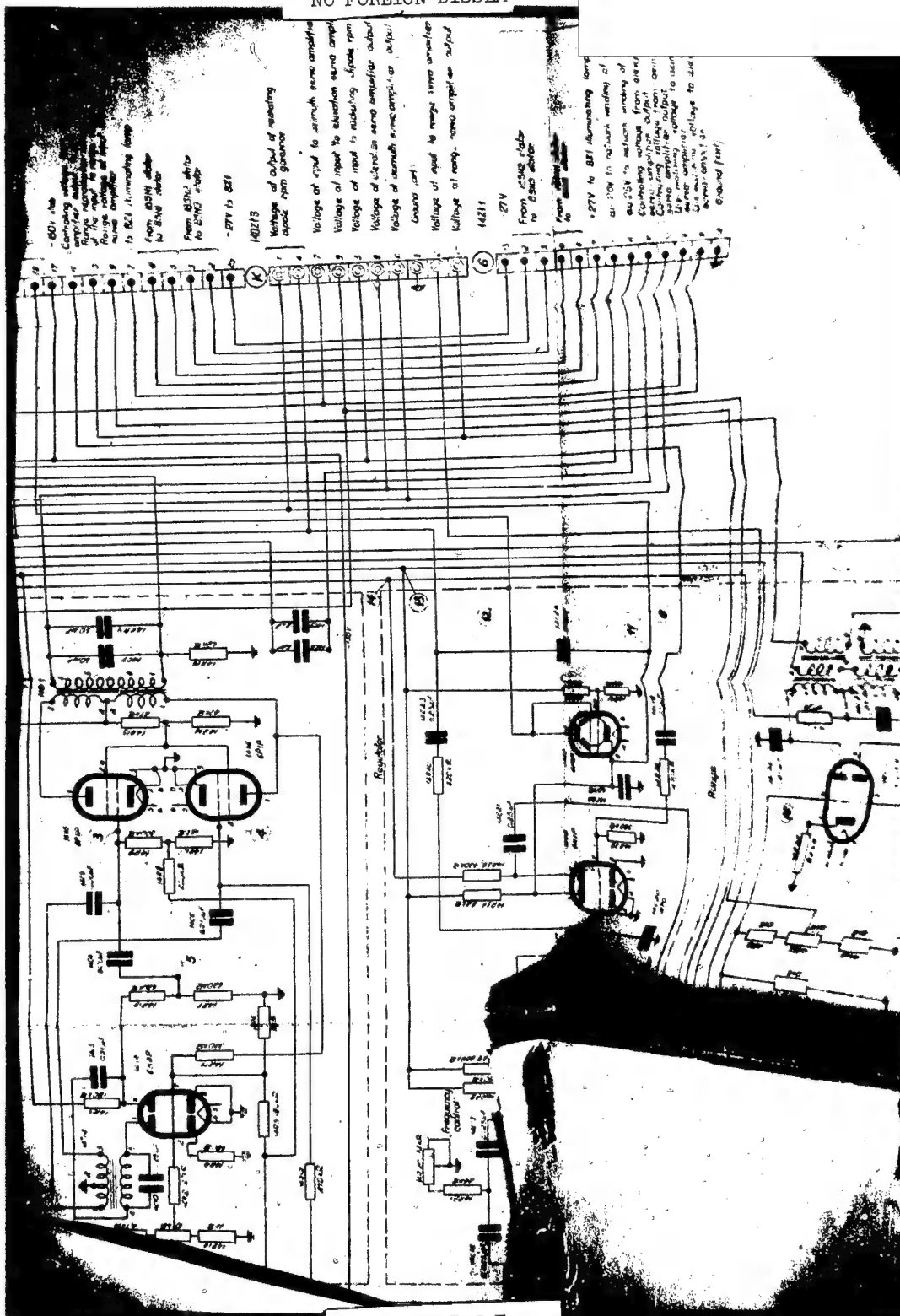
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50X1

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



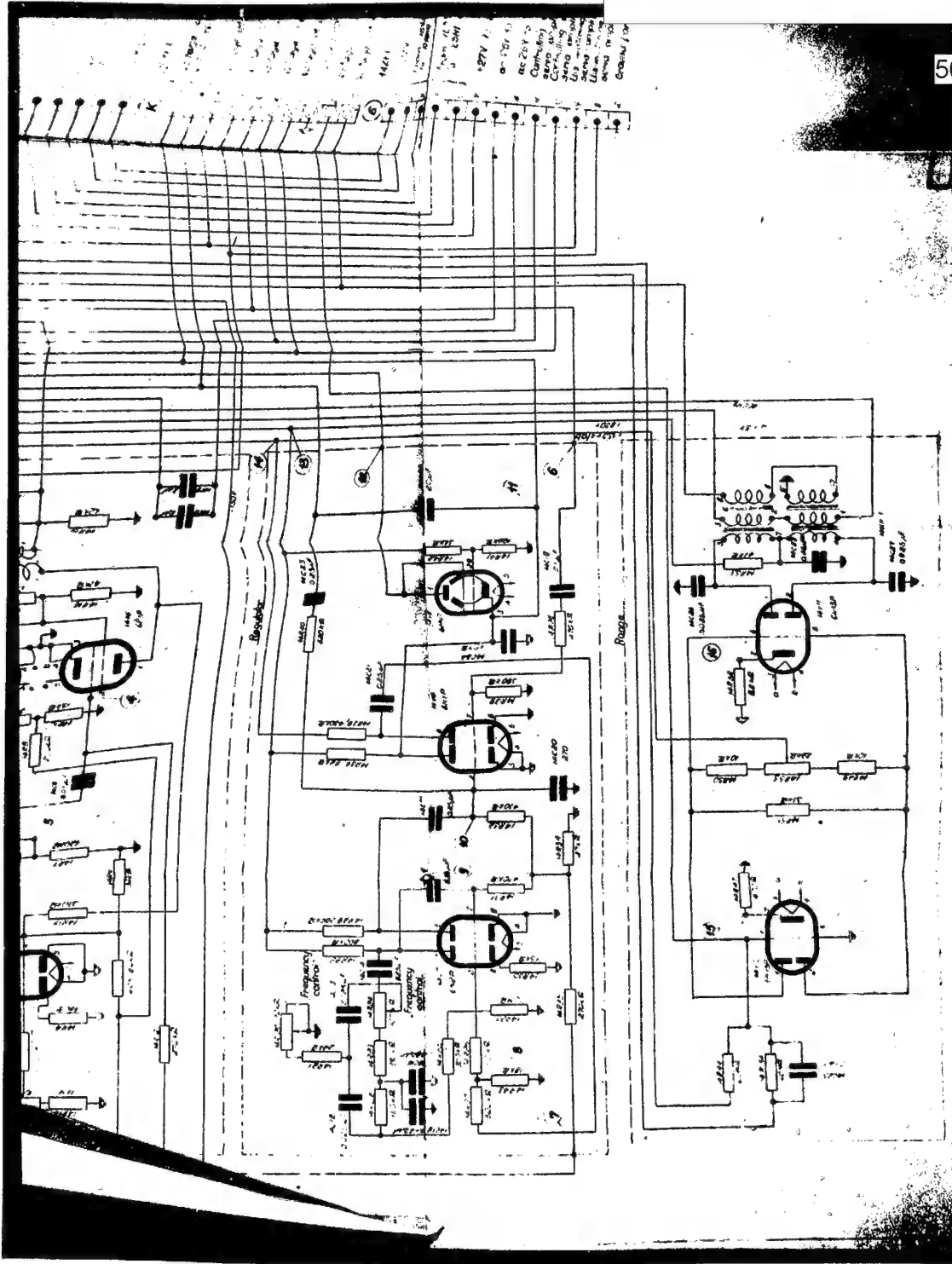
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NO FOREIGN DISSEM



S-E-C-R-E-T  
NO FOREIGN DISSEM

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S-E-C-R-E-T

NO FOREIGN DISSEM

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NO FOREIGN DISSEM

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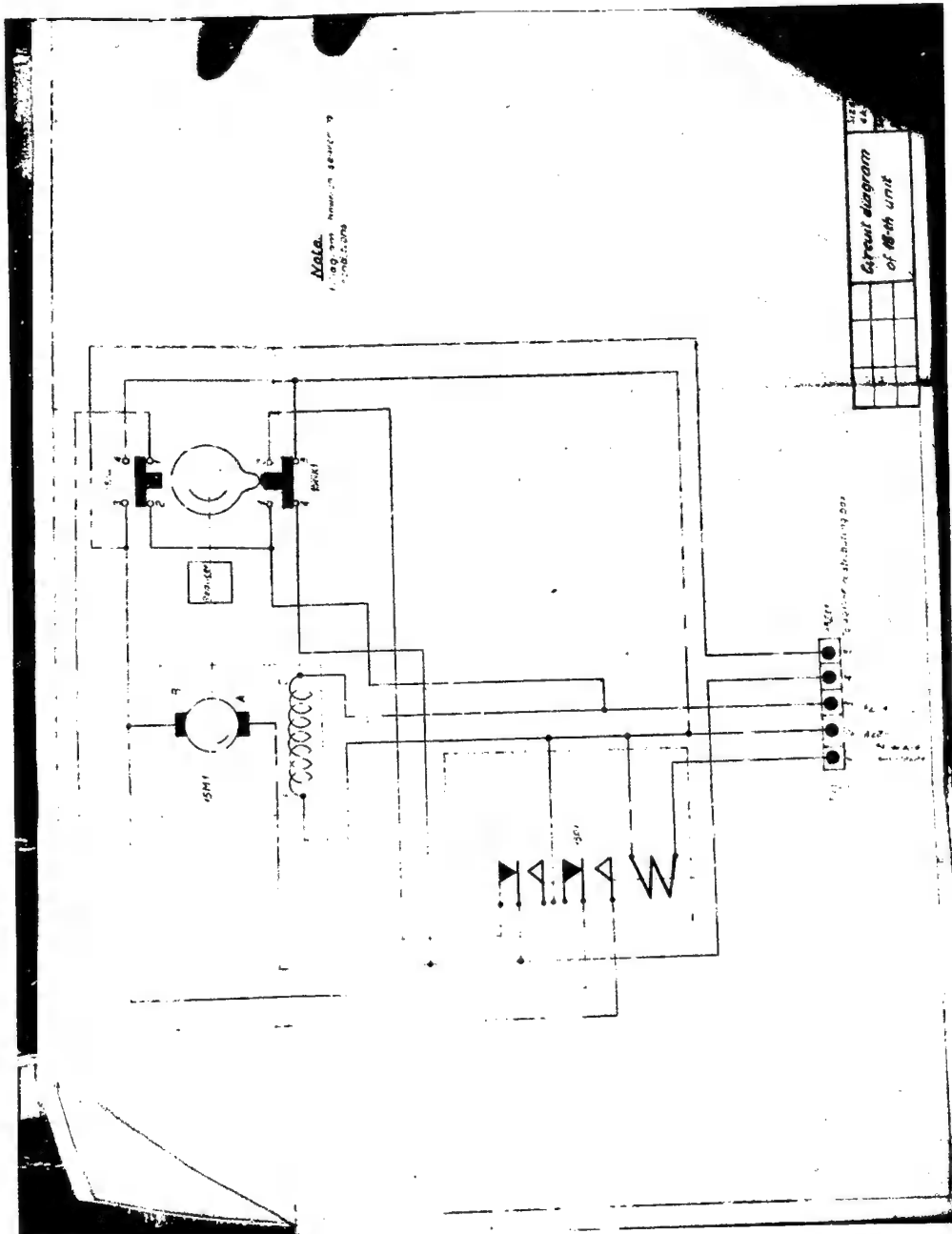
			Circuit diagram of 15-th unit	100 24	100 24
				Drawn by AR18-15-0-000	

72

S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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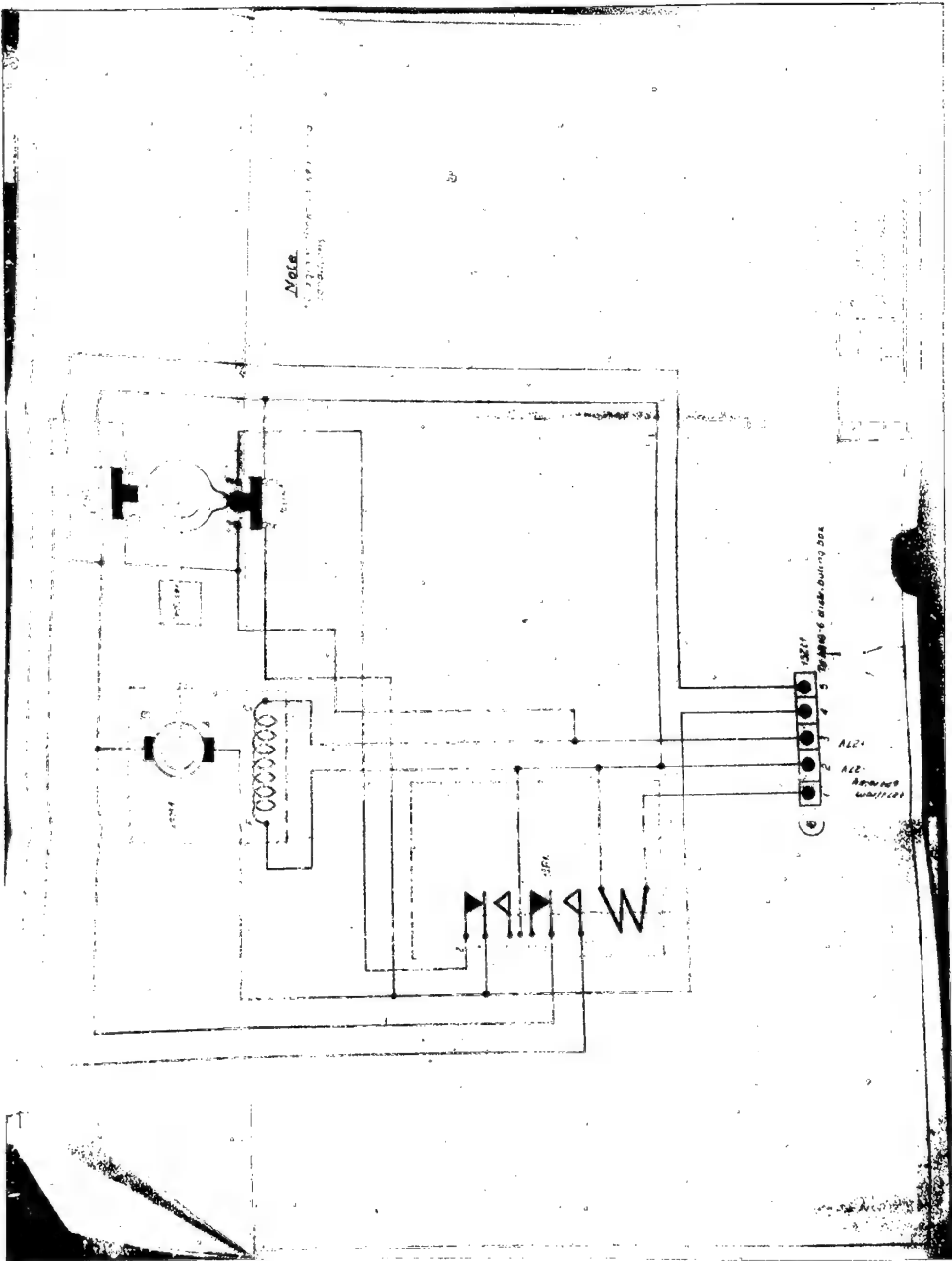


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NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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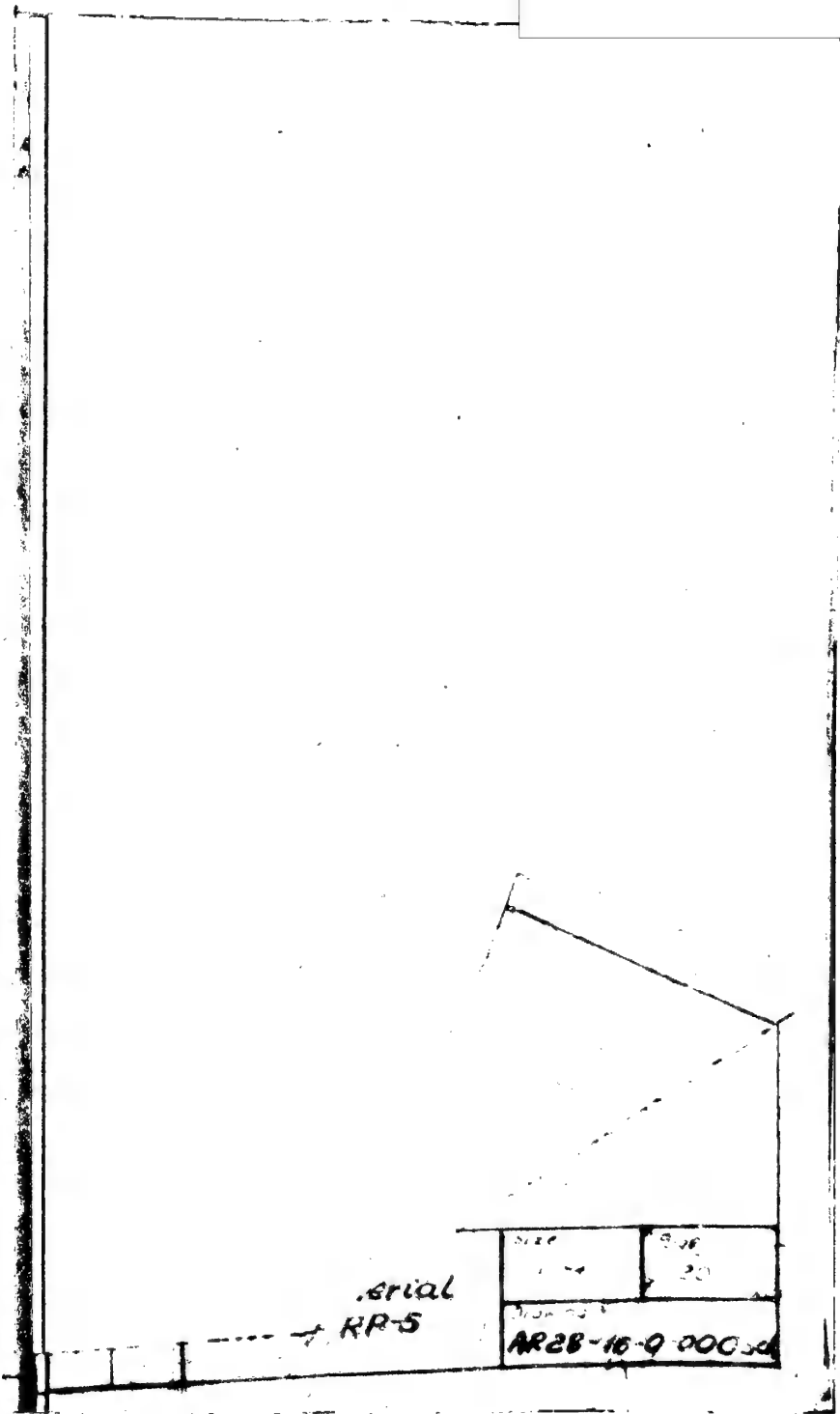


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S-E-C-R-E-T  
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S-E-C-R-E-T  
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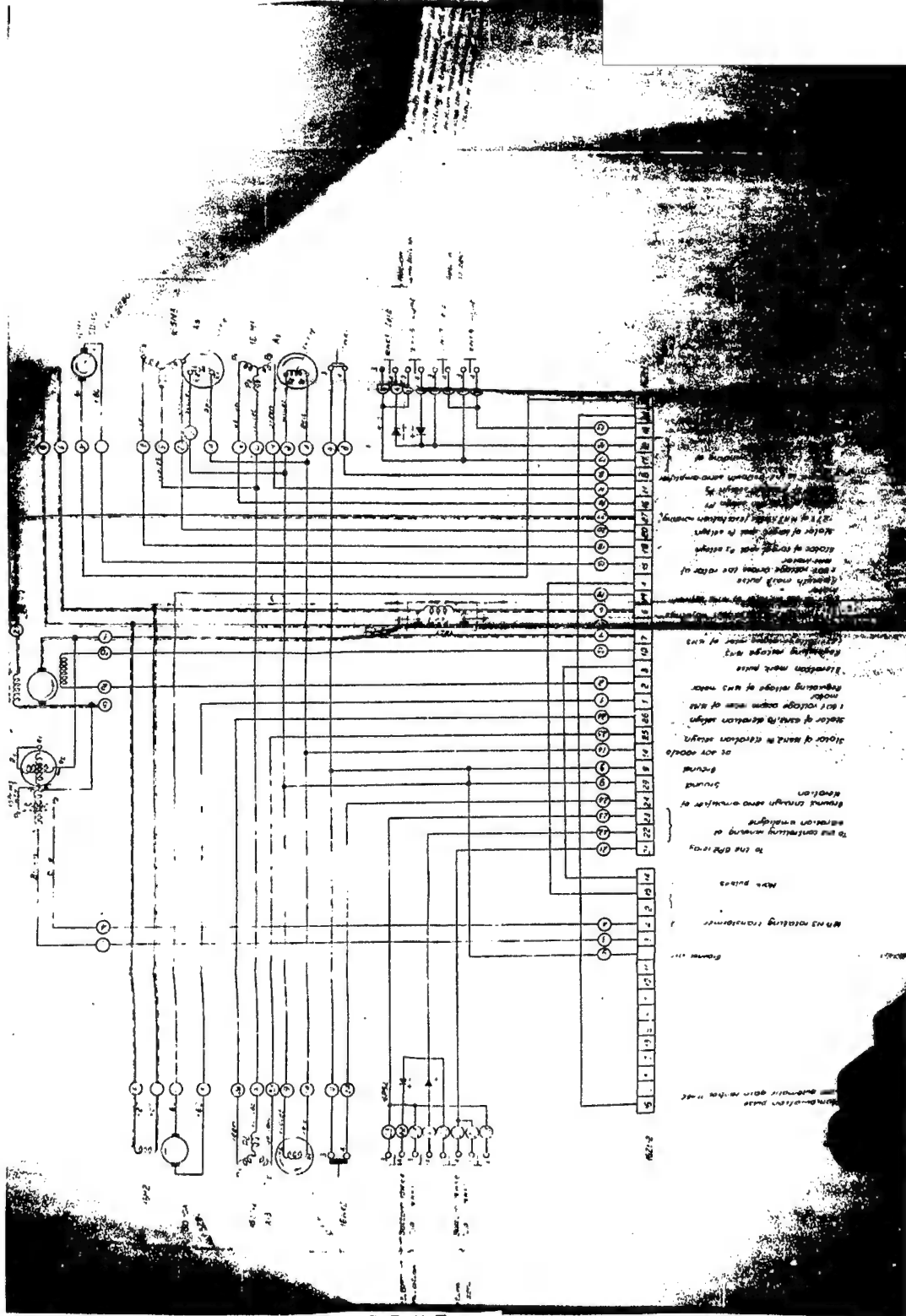
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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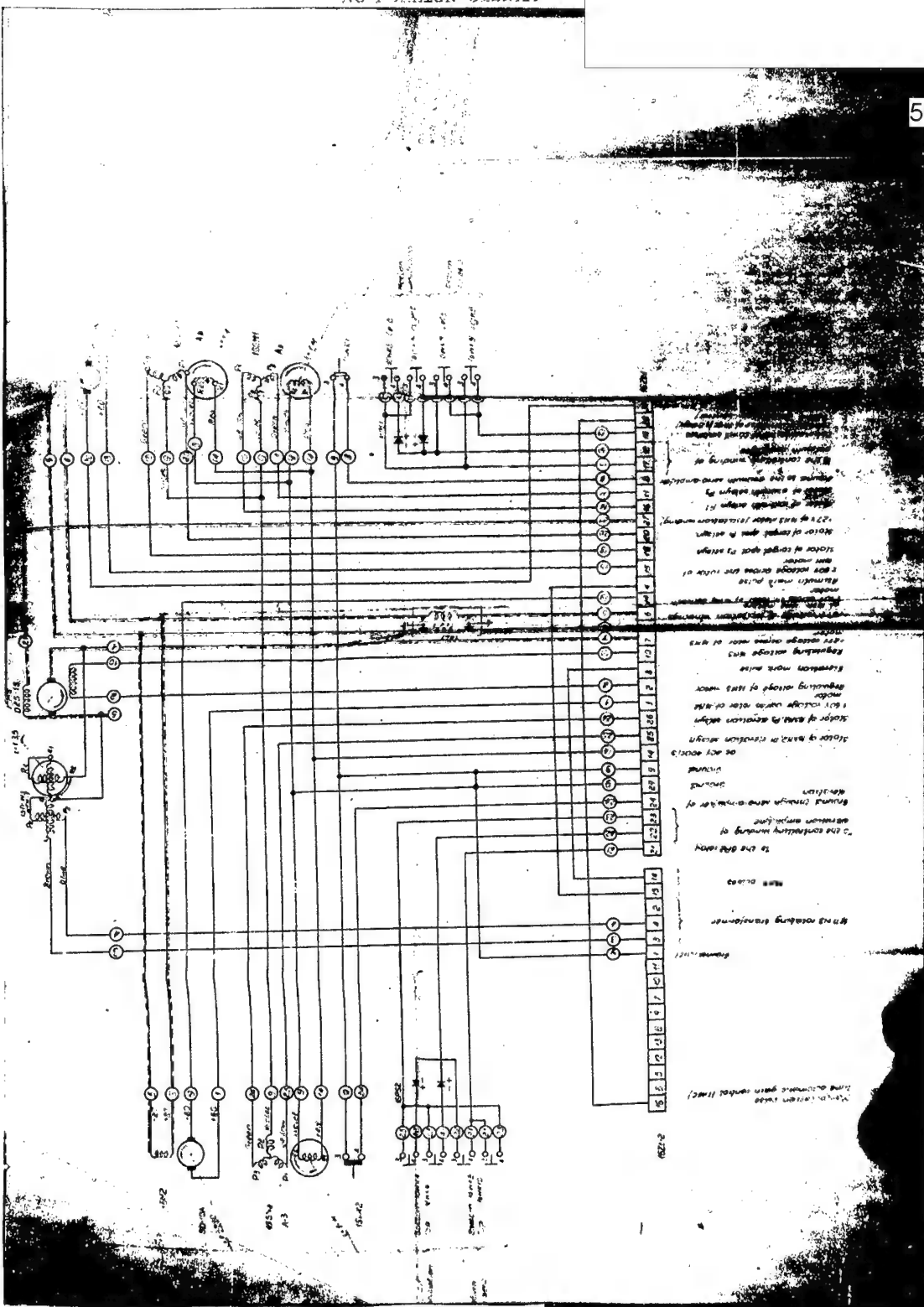


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S-E-C-R-E-T  
NO FOREIGN DISSEM

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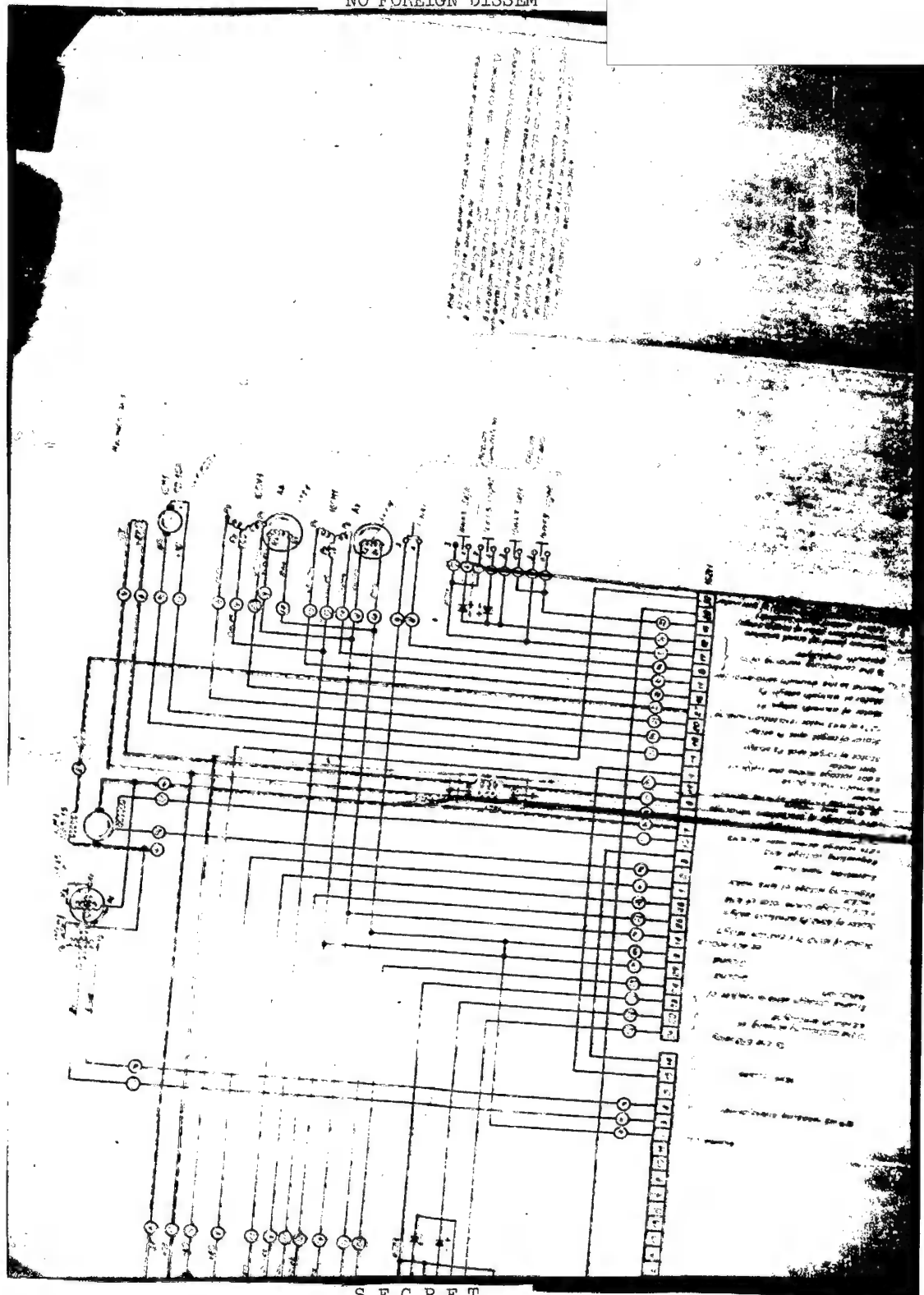
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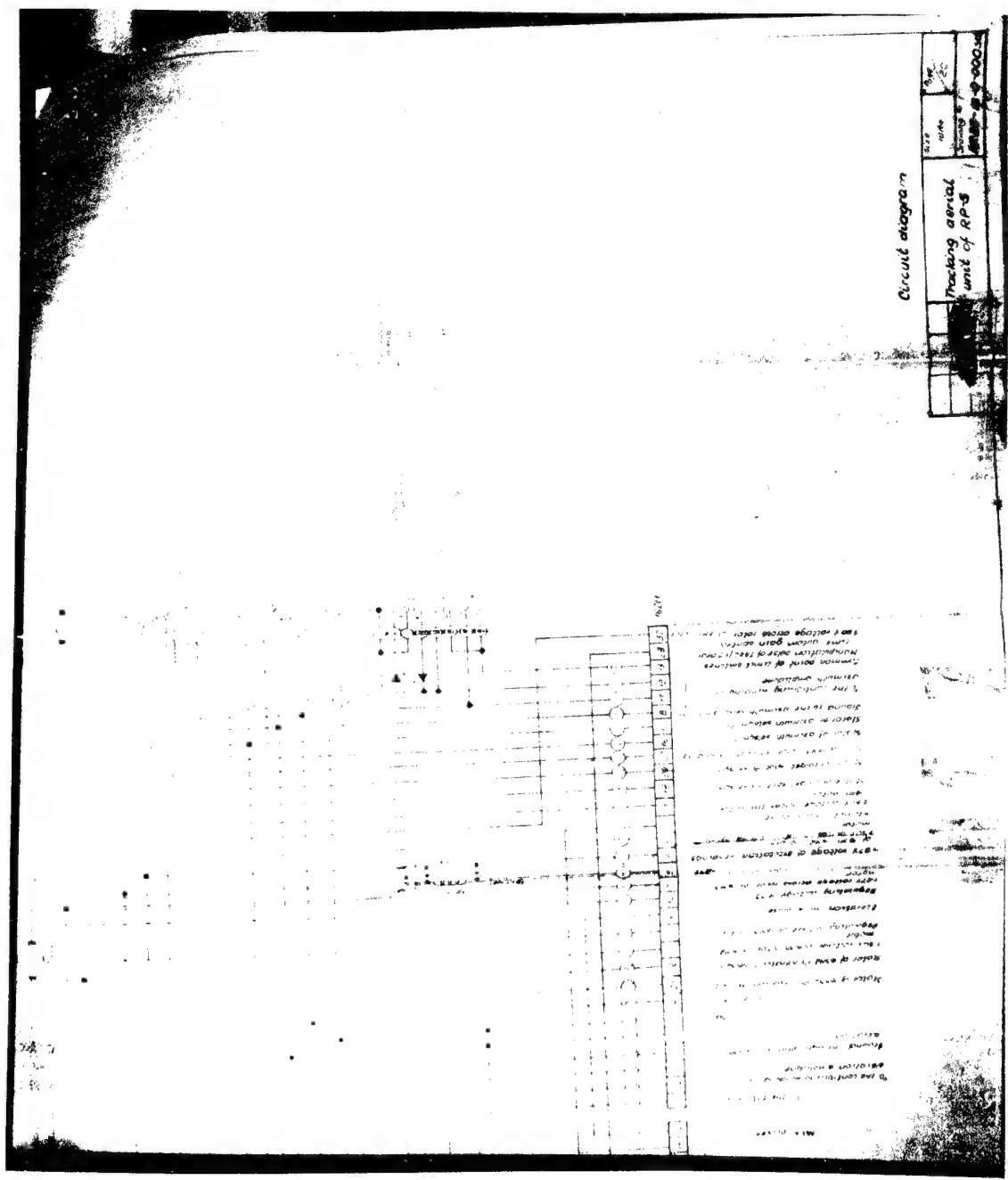
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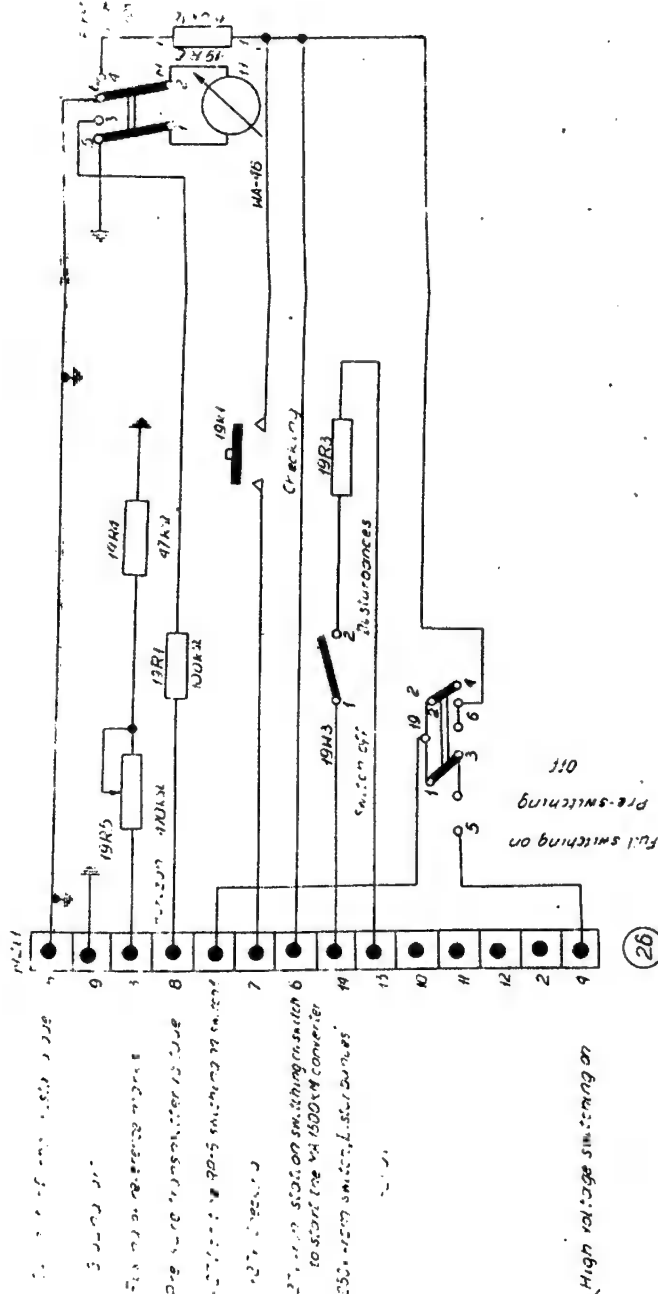


S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM



Control panel		Size	204	Age	21
		Drawing No. 198-19-0-61			
		50X			

S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

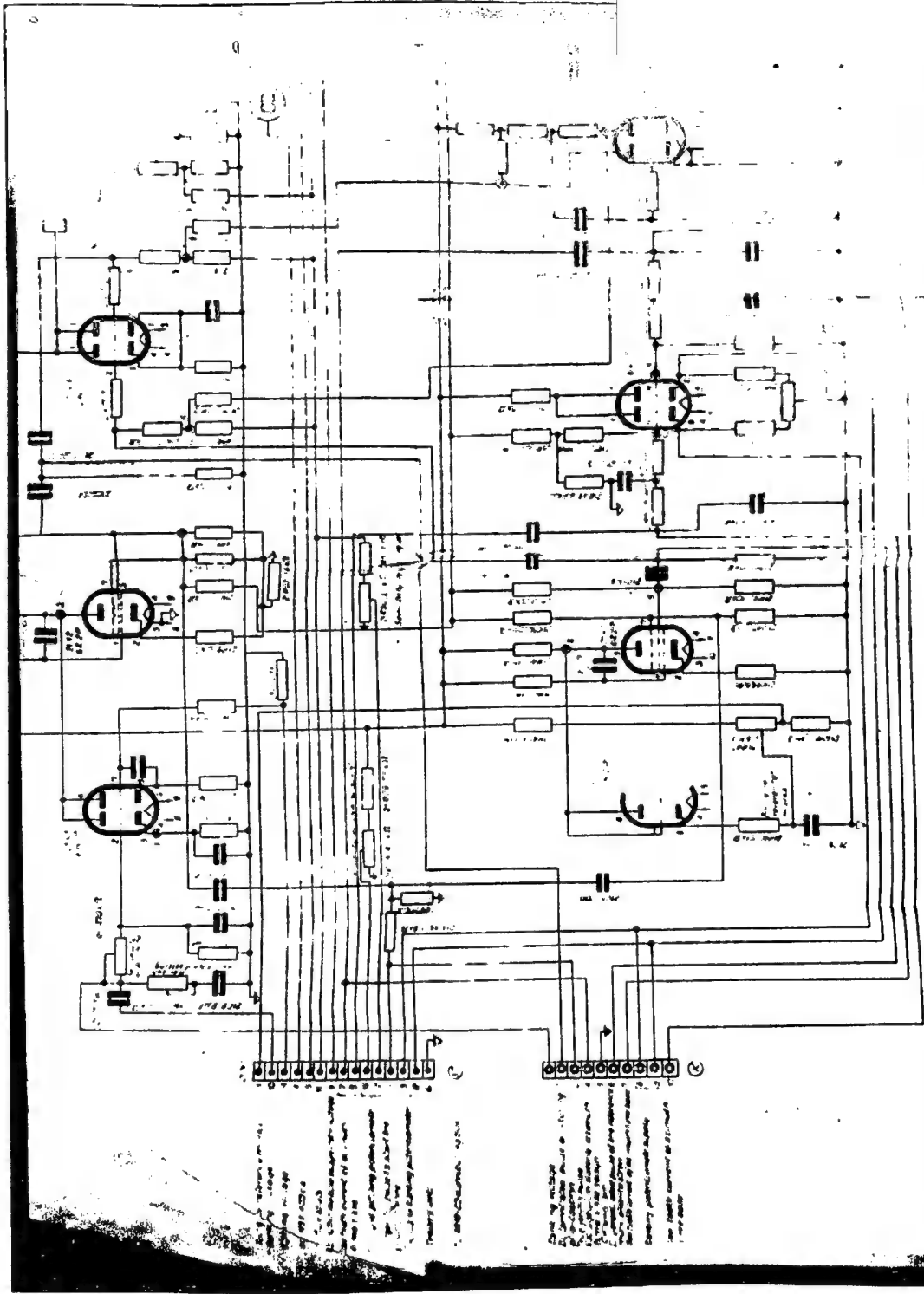
50X1

of 1000-24 electronic artificial horizon 1200 unit.	22 1000-240.000
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

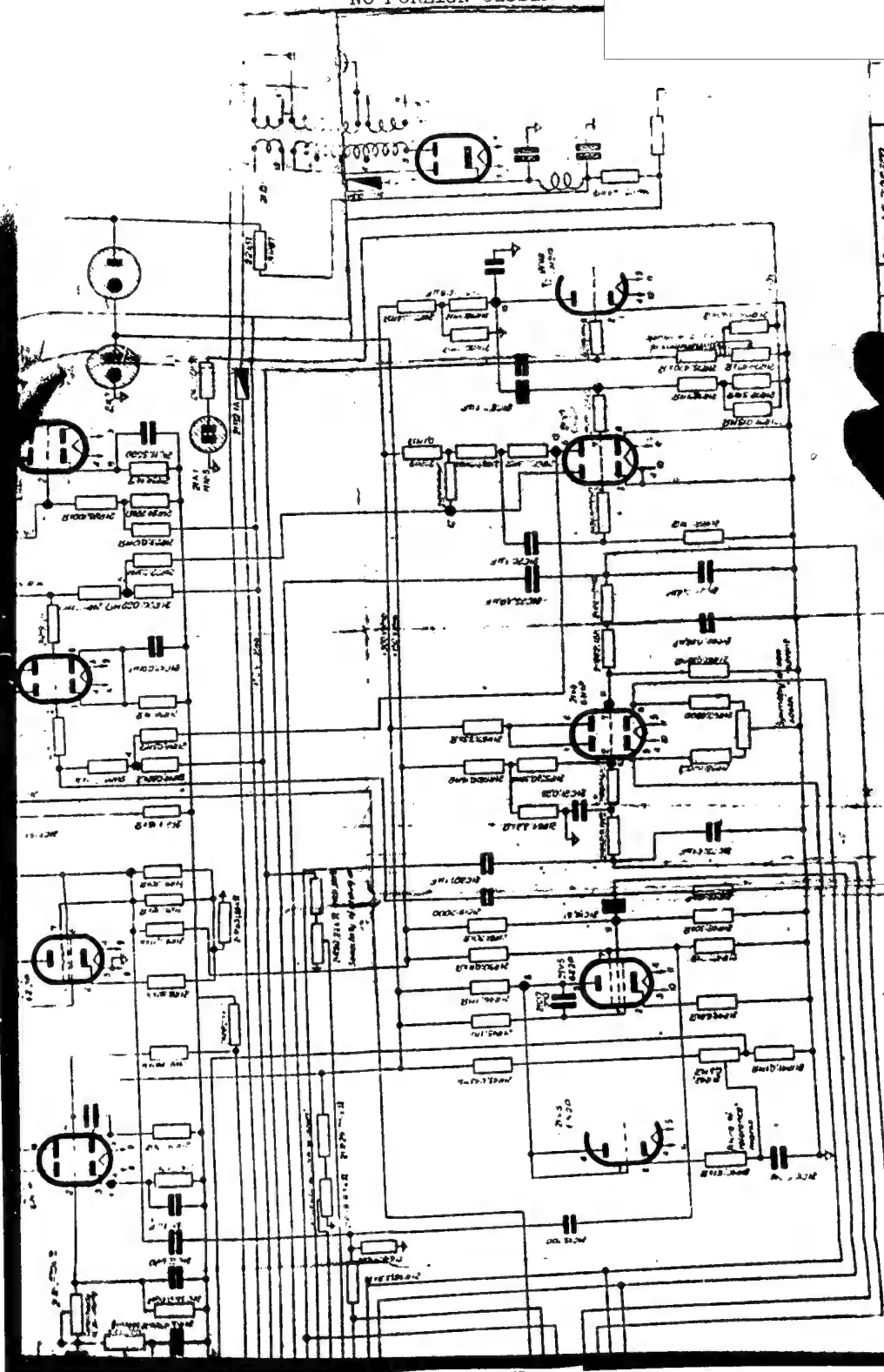


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NO FOREIGN DISSEM



S-E-C-R-E-T  
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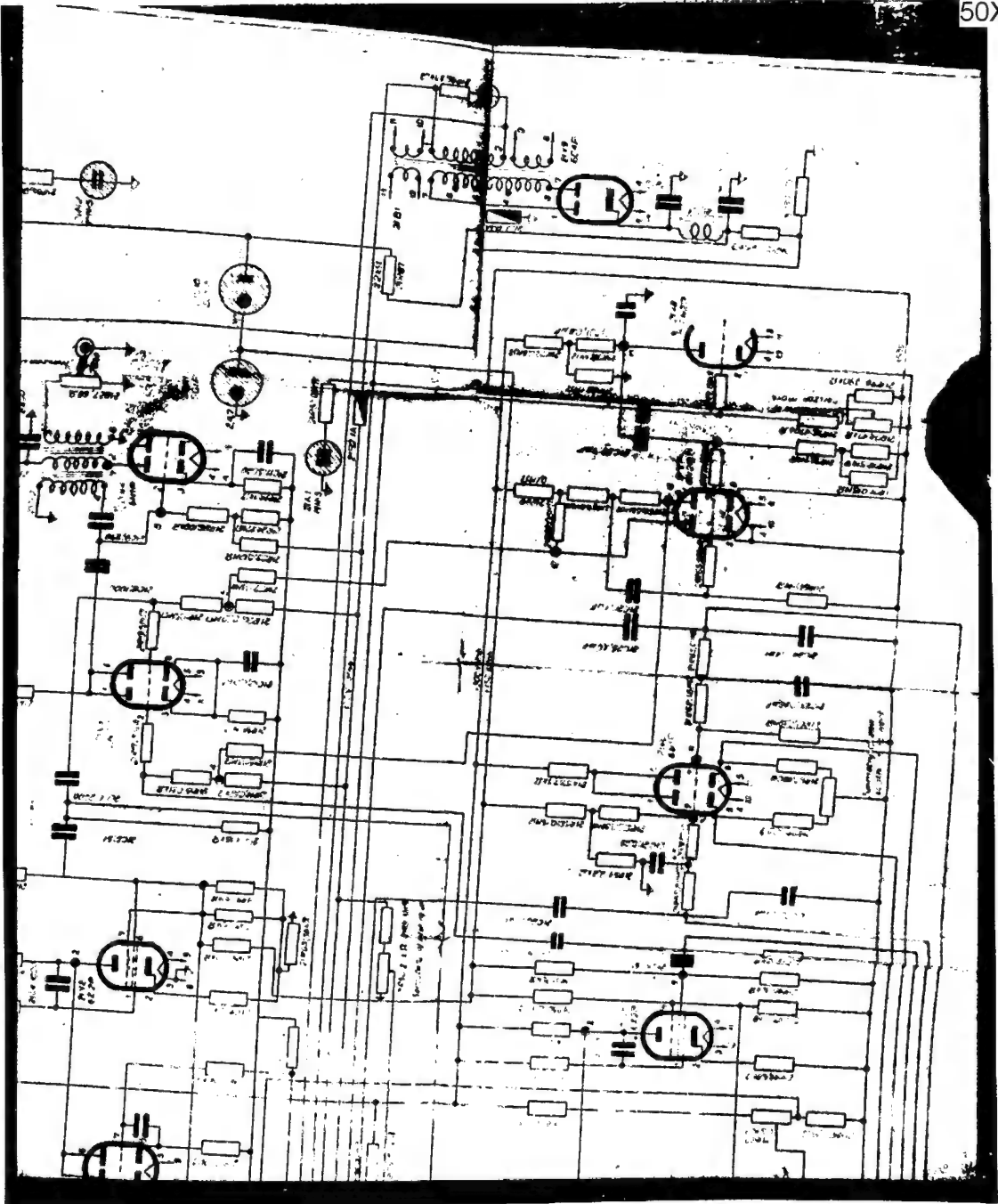
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
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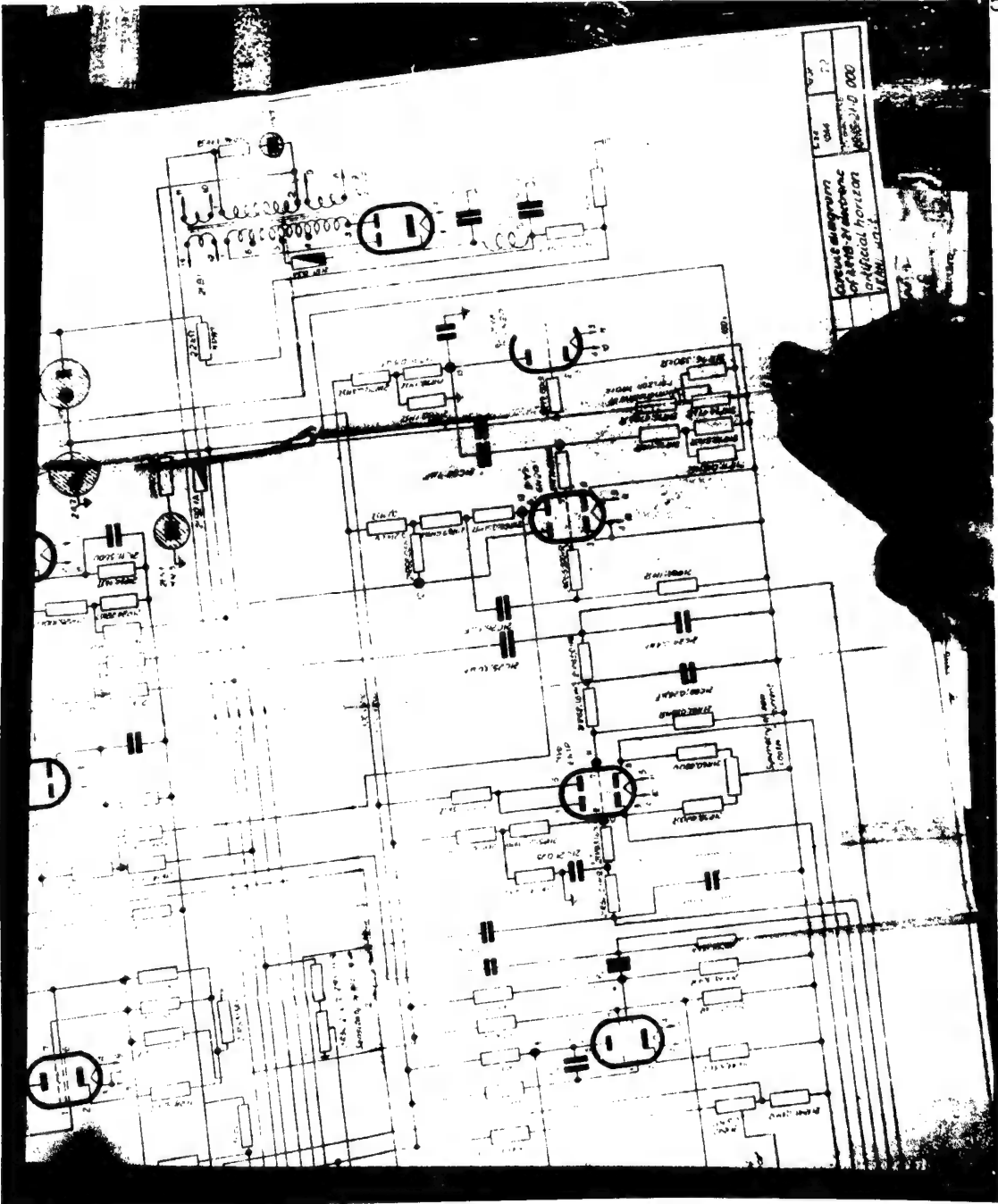


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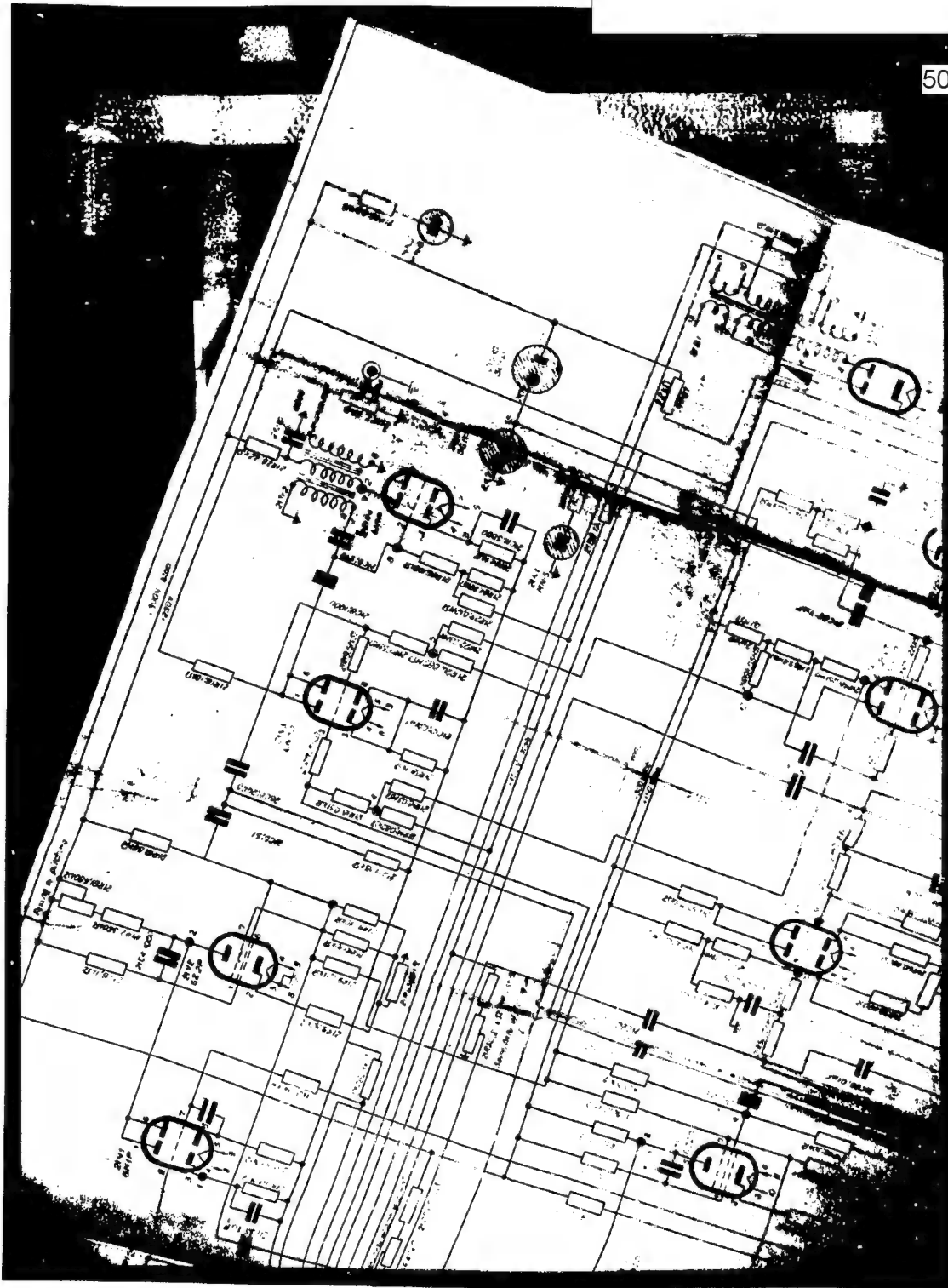


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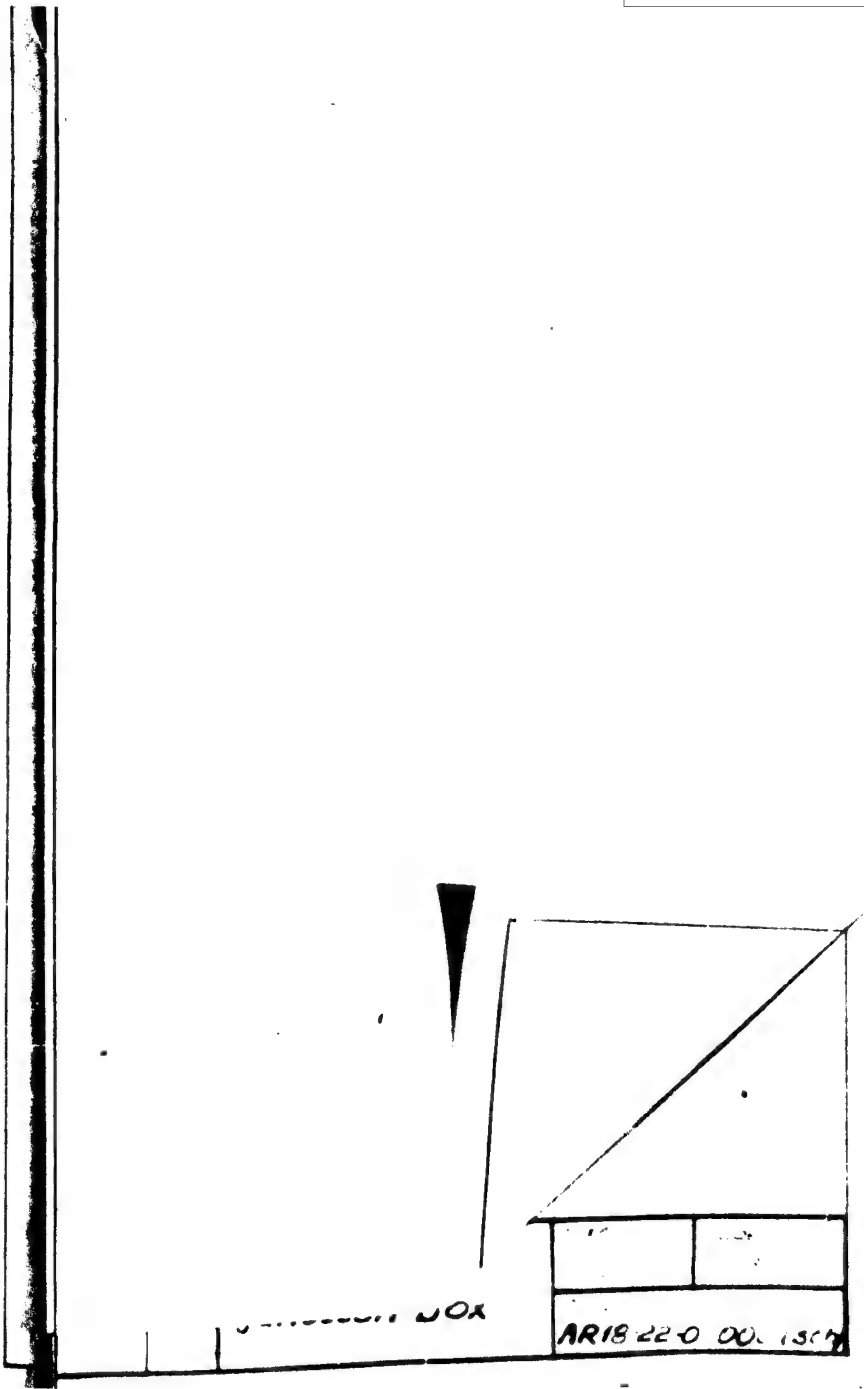


S-E-C-R-E-T  
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S-E-C-R-E-T  
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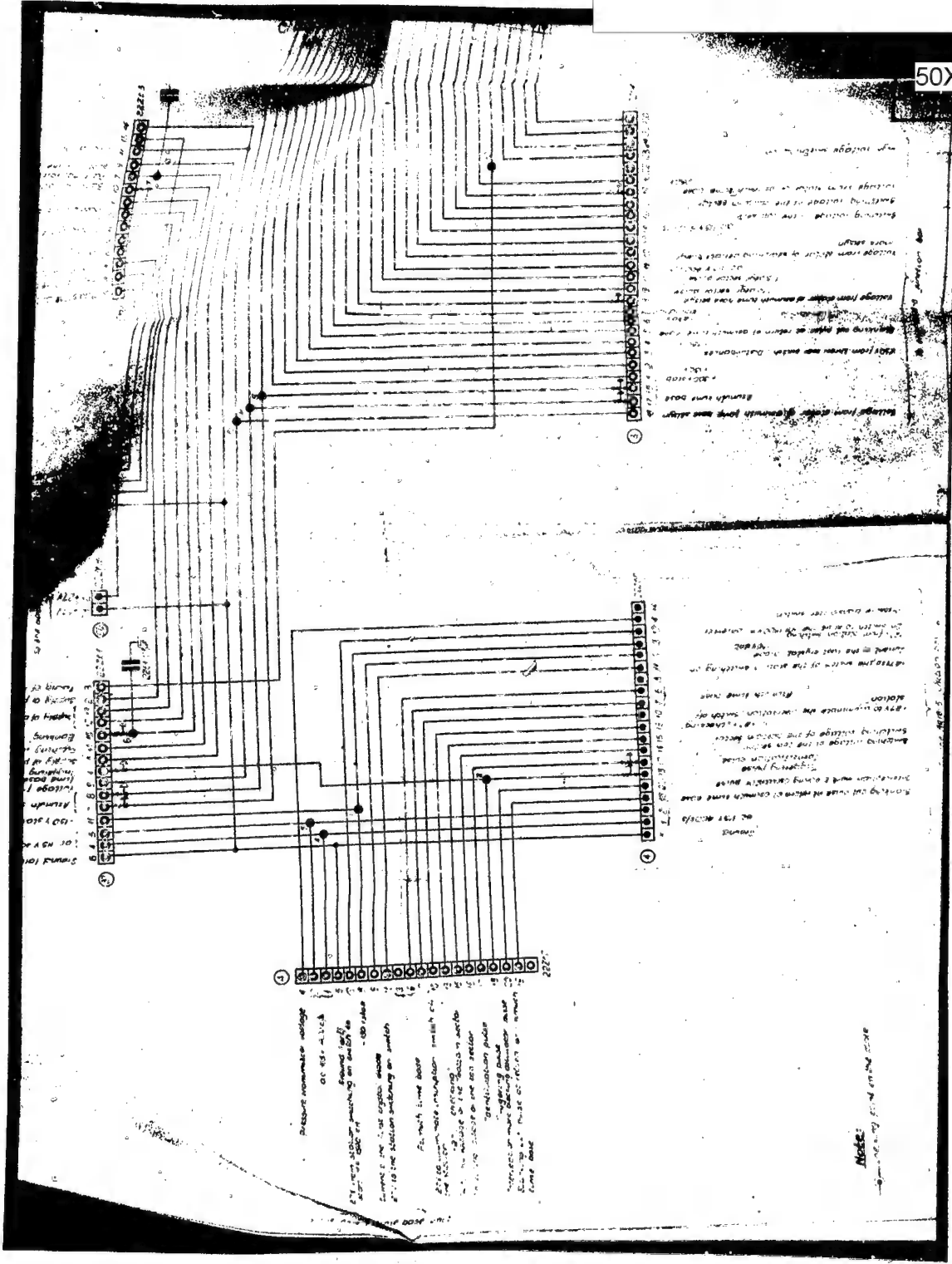


50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM



~~S-E-C-R-E-T~~

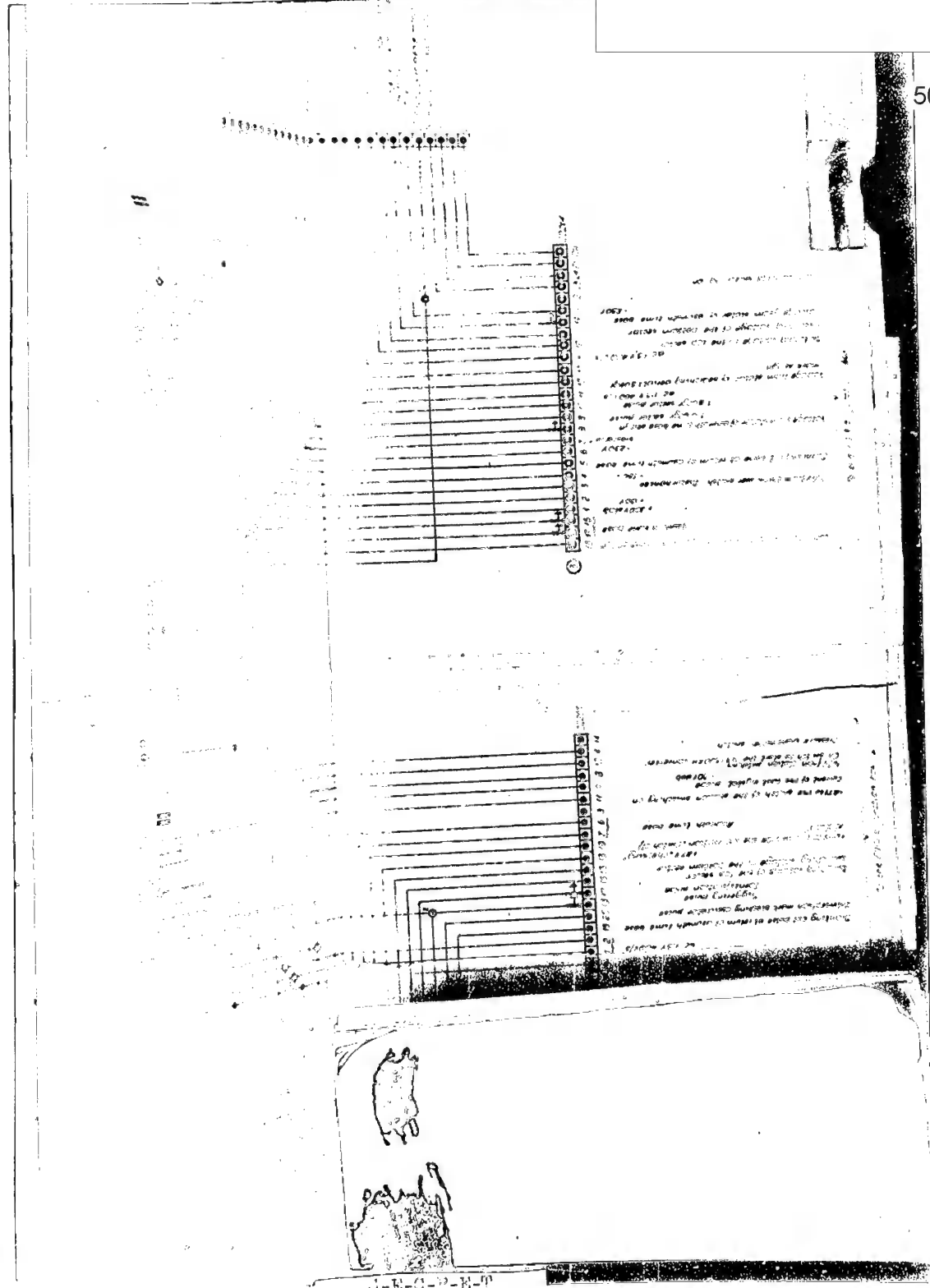
915



NO FOREIGN DISSEM

SECRET DESIGN

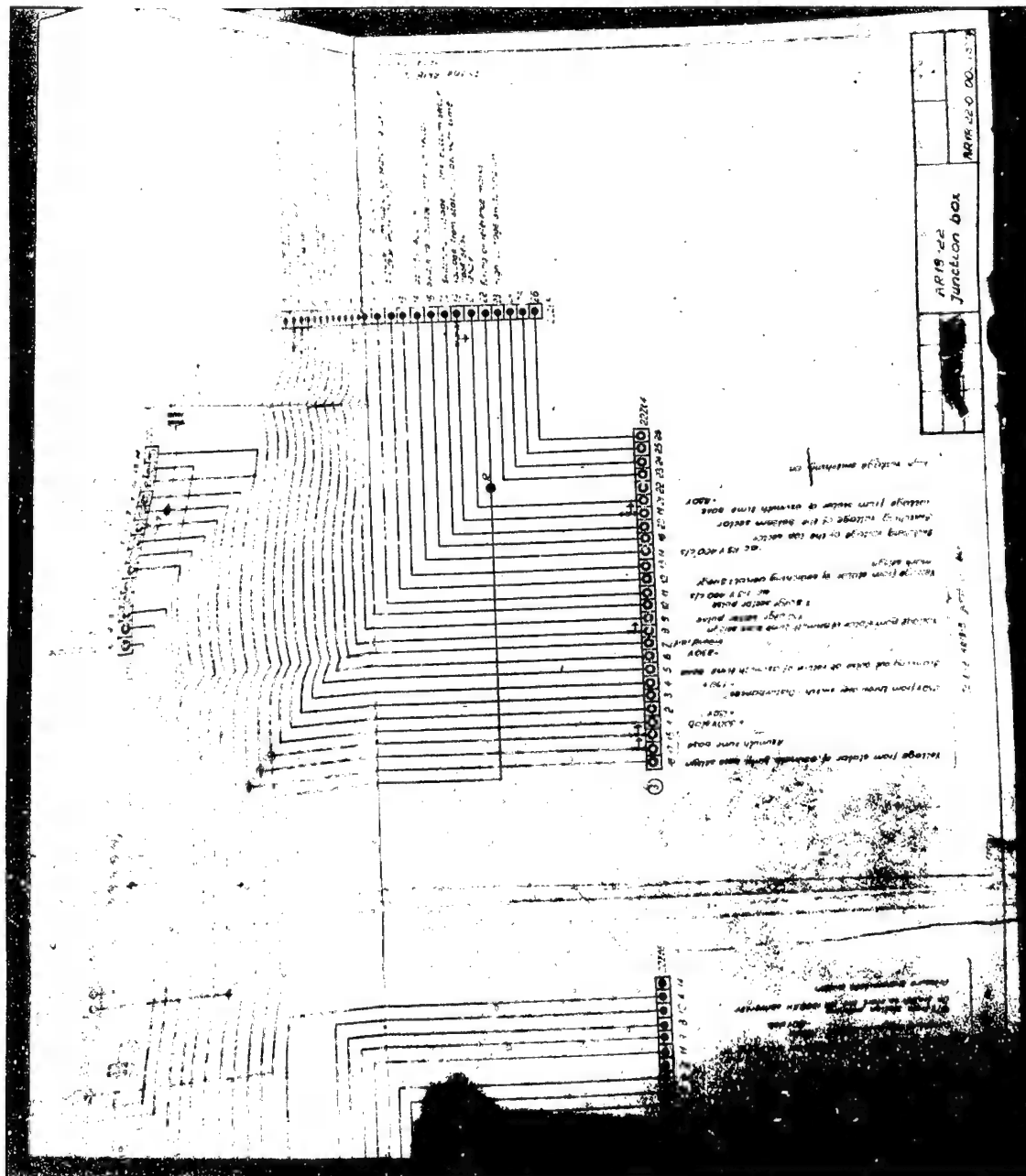
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SECRET DESIGN

S-E-C-R-E-T  
NO FOREIGN DISSEM

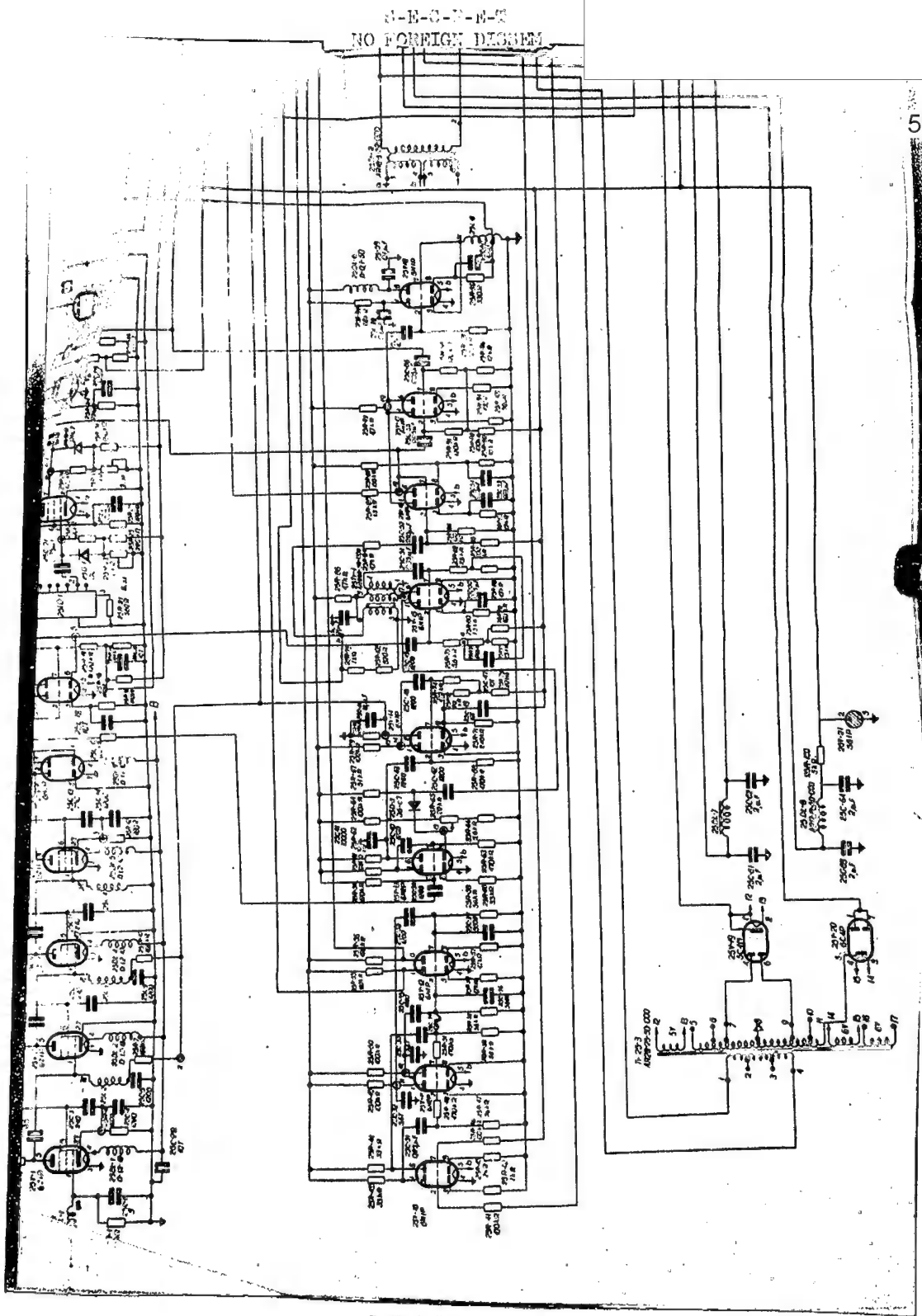
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S-E-C-R-E-T

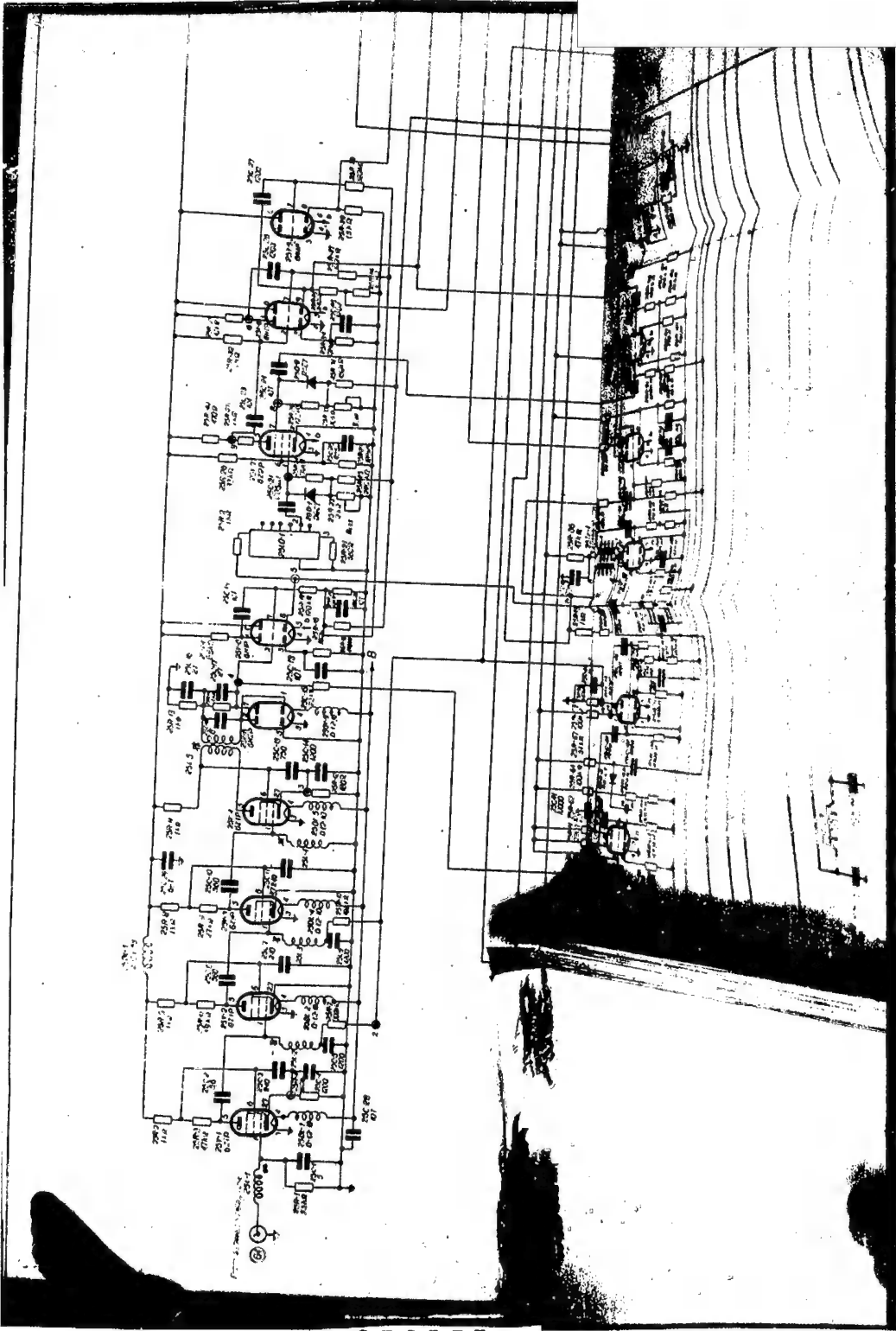
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S-E-C-R-E-T  
NO FOREIGN DISSEM

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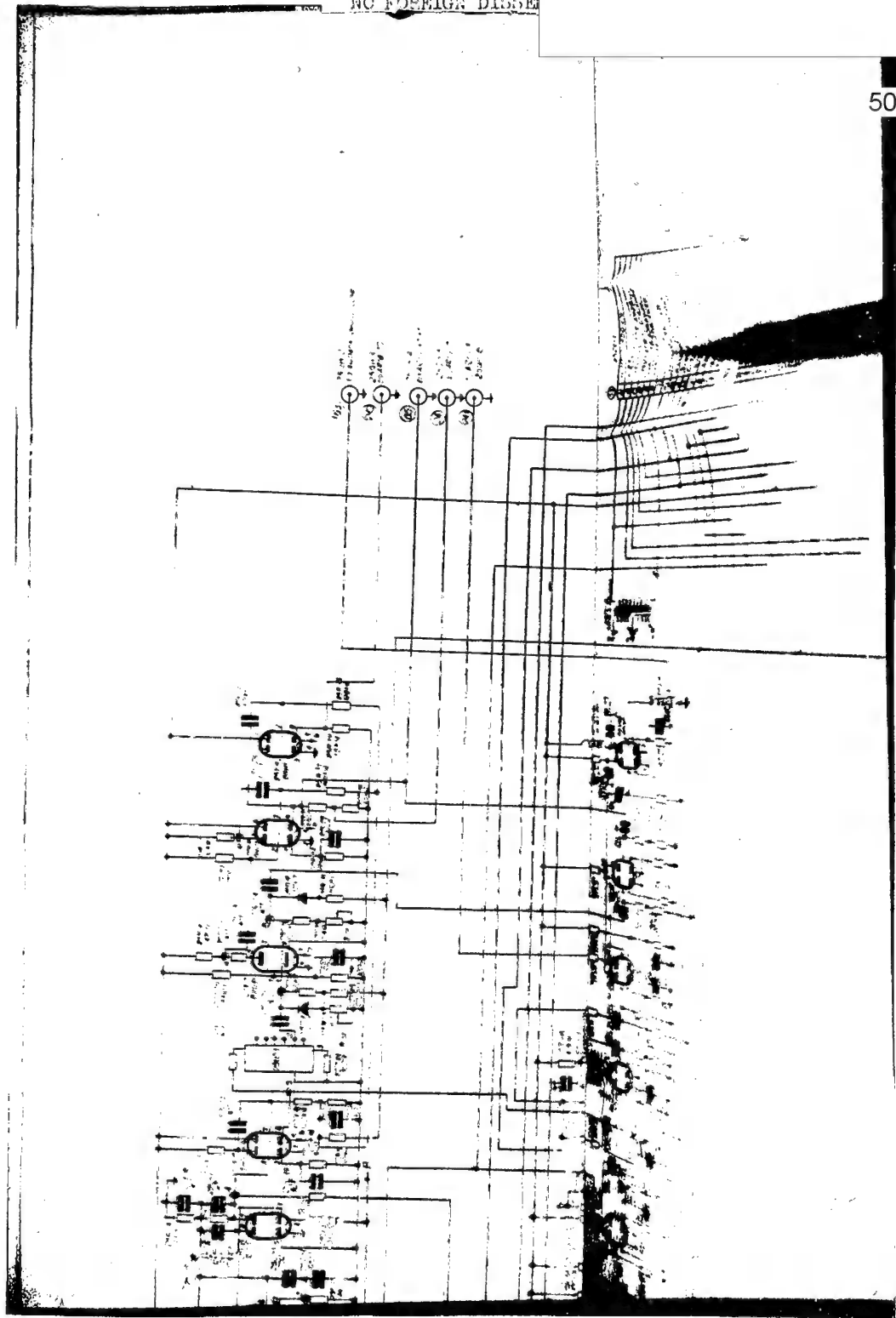


S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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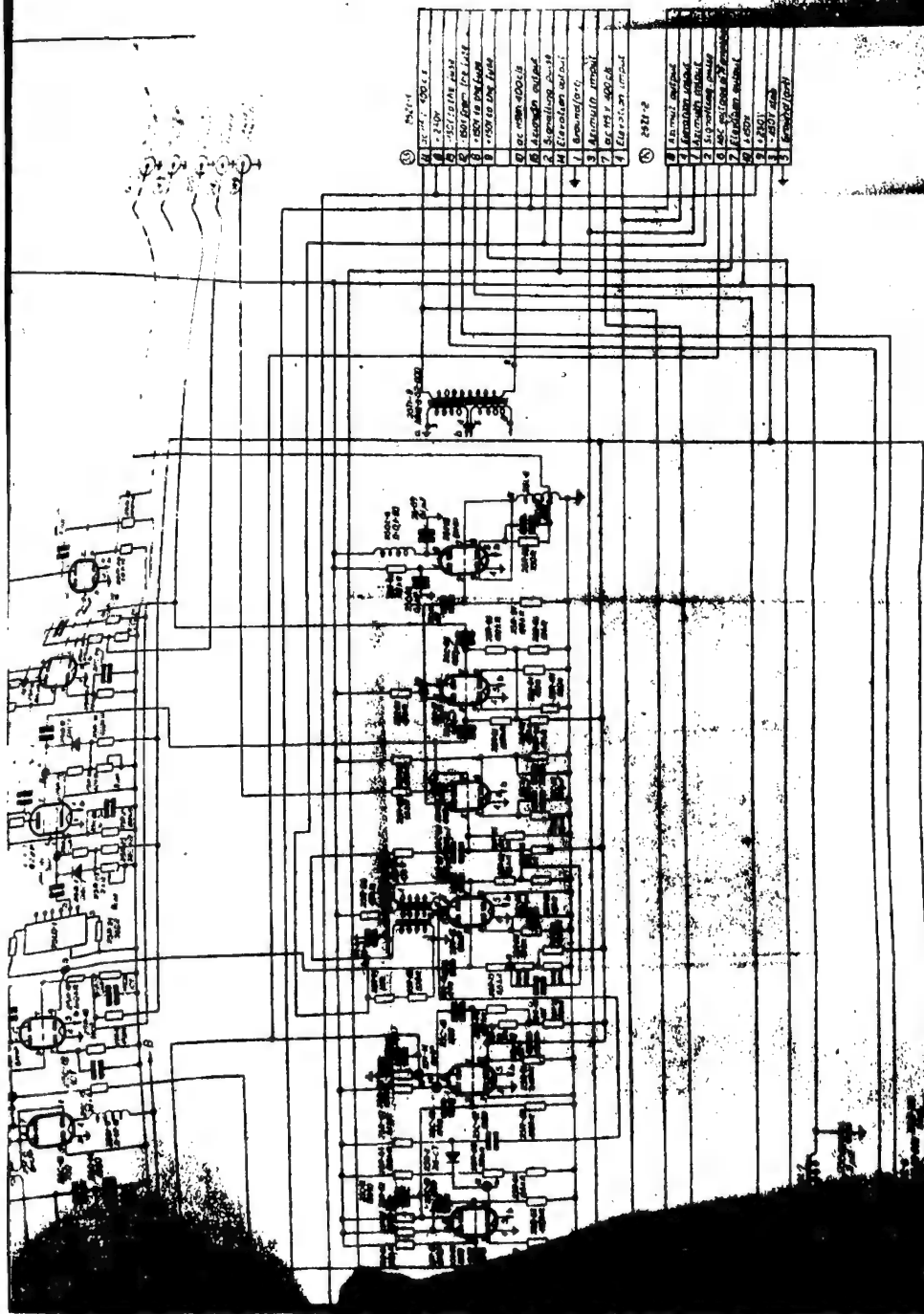


S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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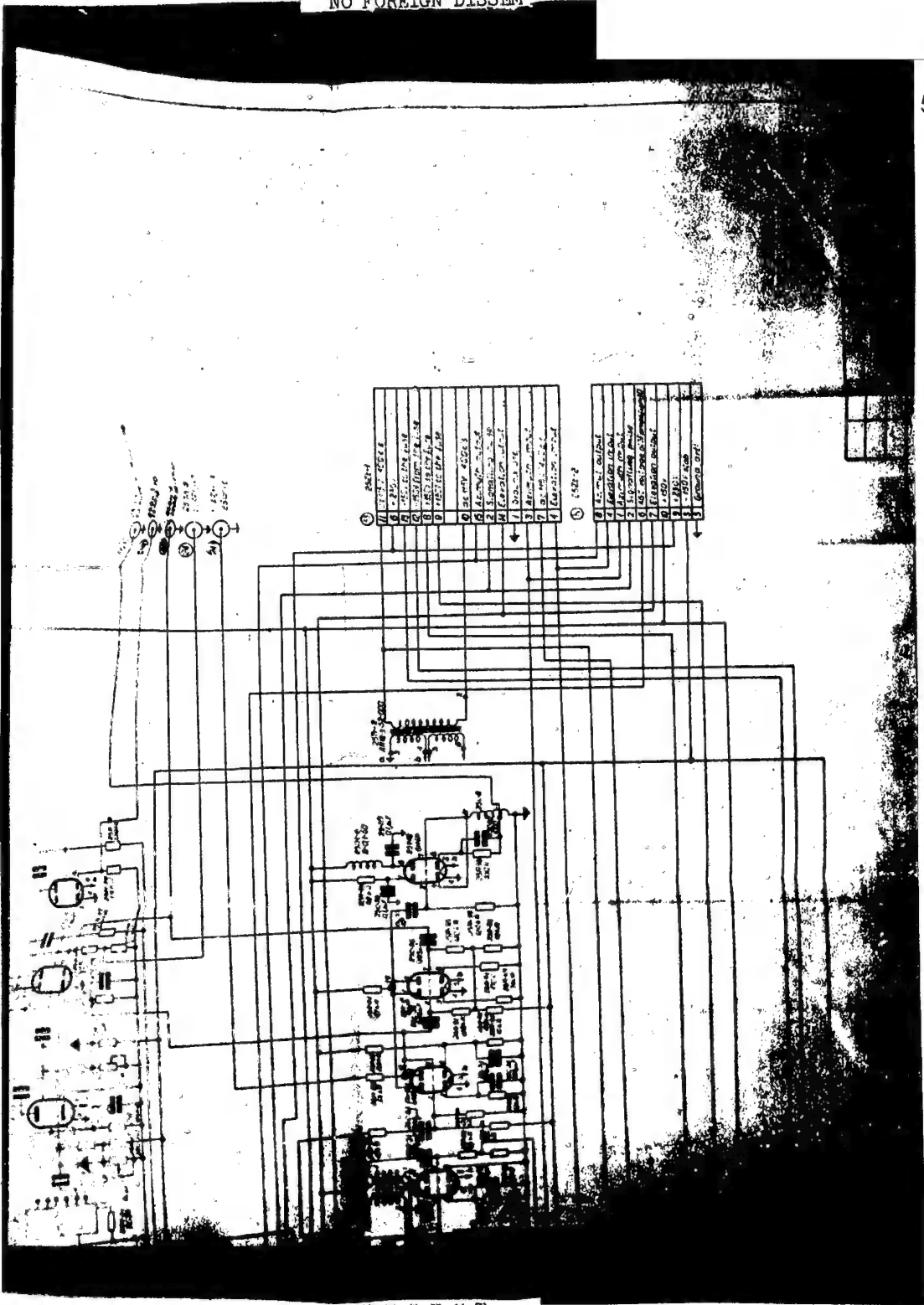


S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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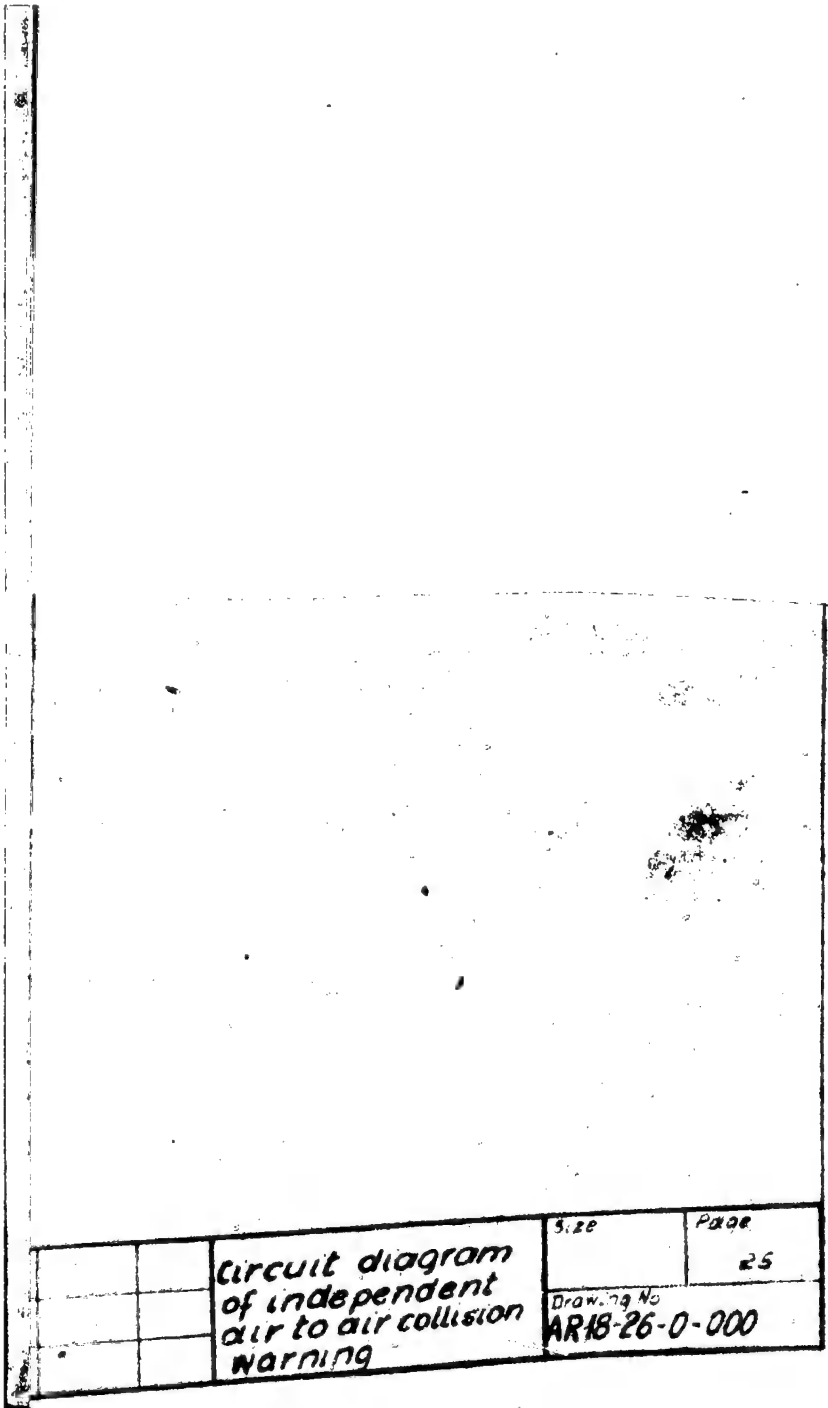


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NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM



50X1



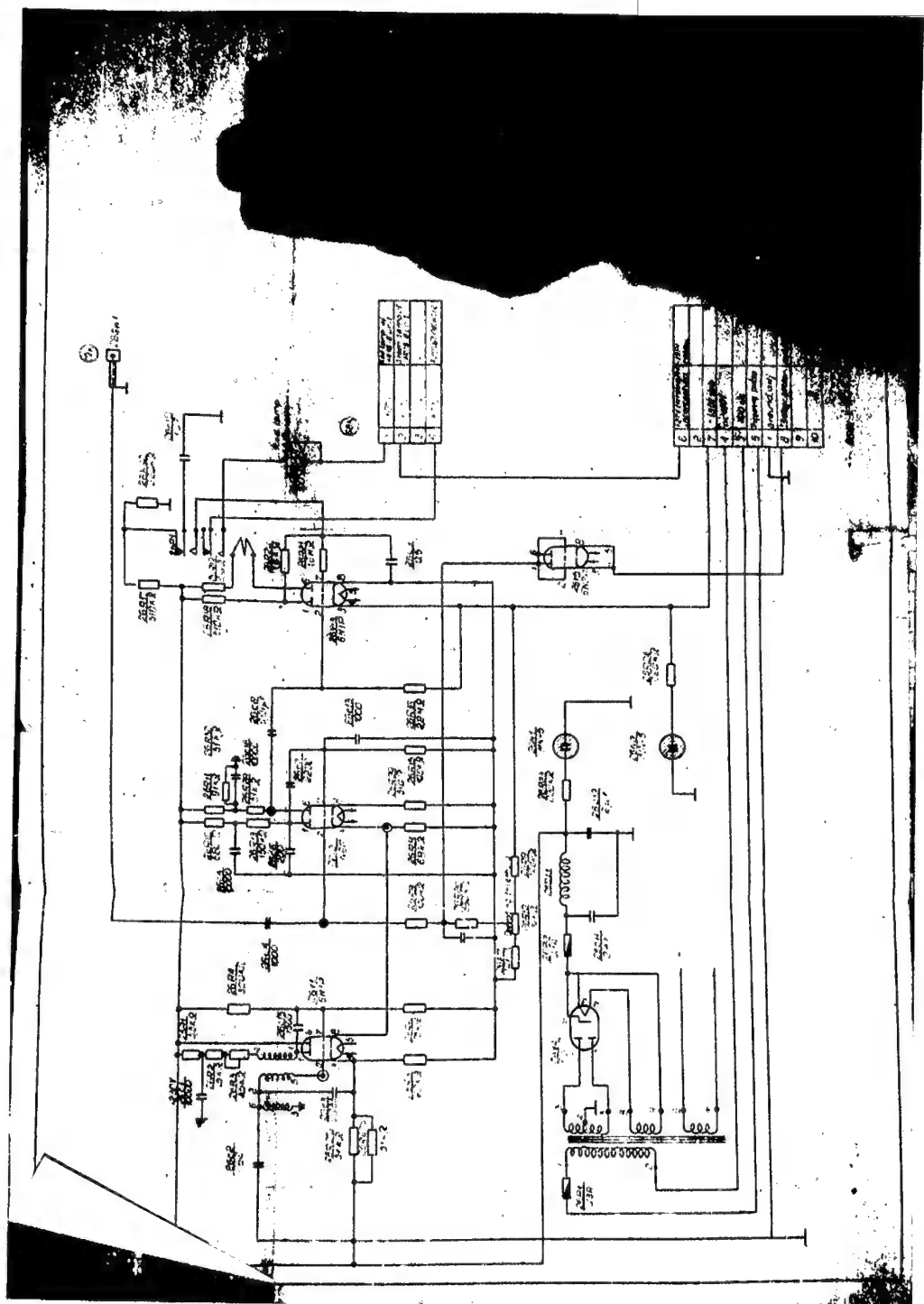
		Circuit diagram of independent air to air collision warning	Size	Page
				25
			Drawing No AR18-26-0-000	

S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

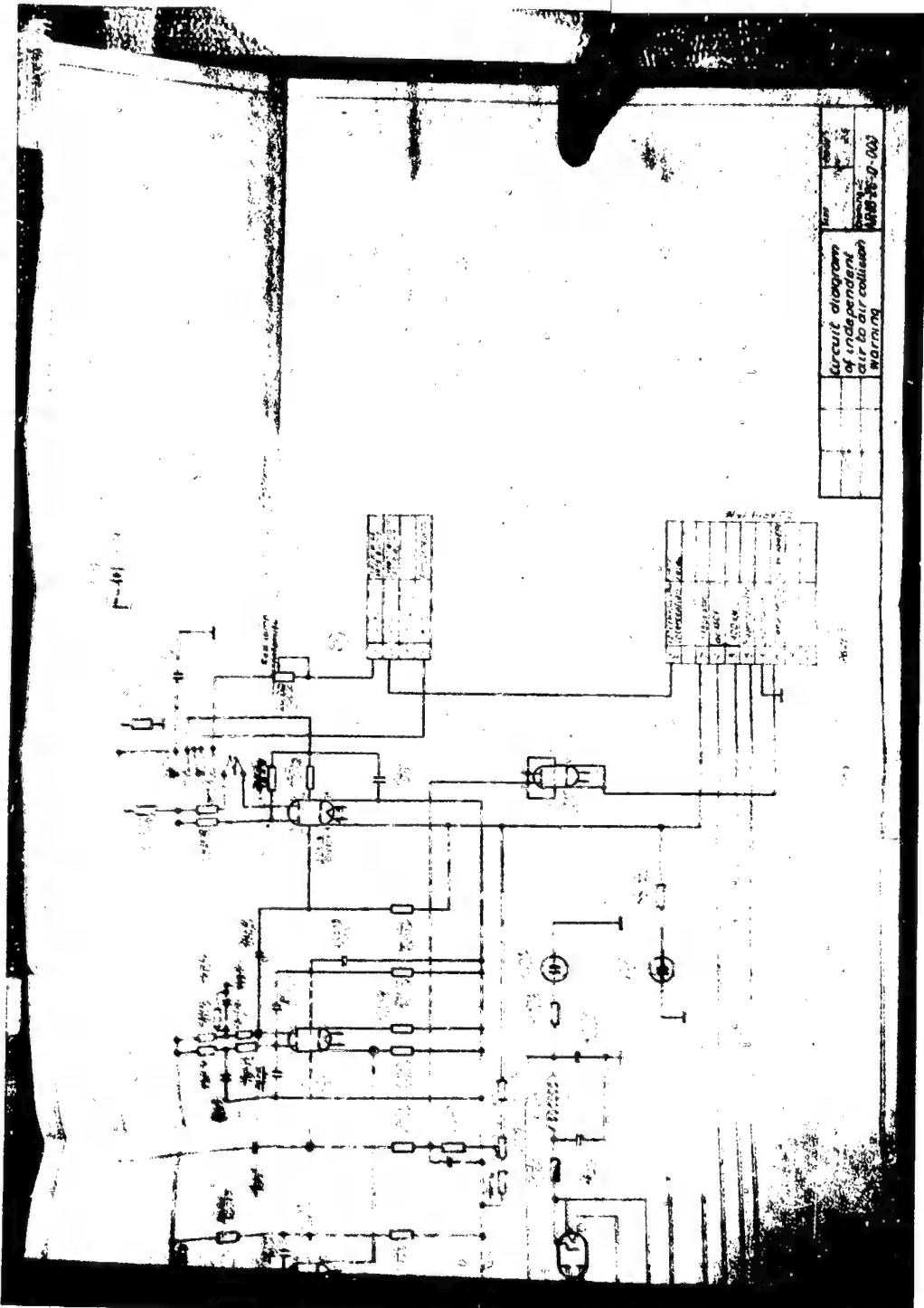


S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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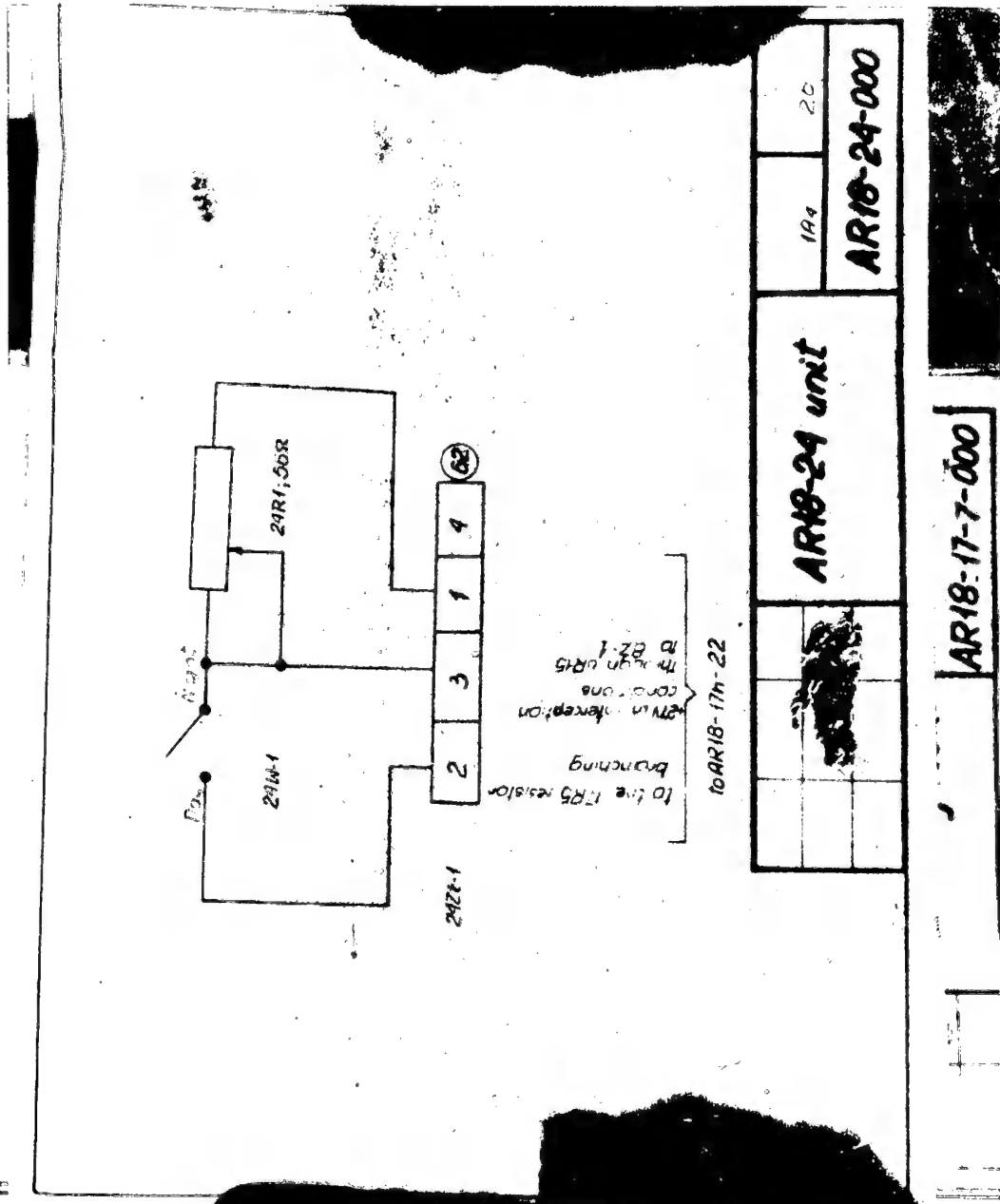
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S-E-C-R-E-T  
NO FOREIGN DISSEM



S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T

NO FOREIGN DISSEM

50X1



103

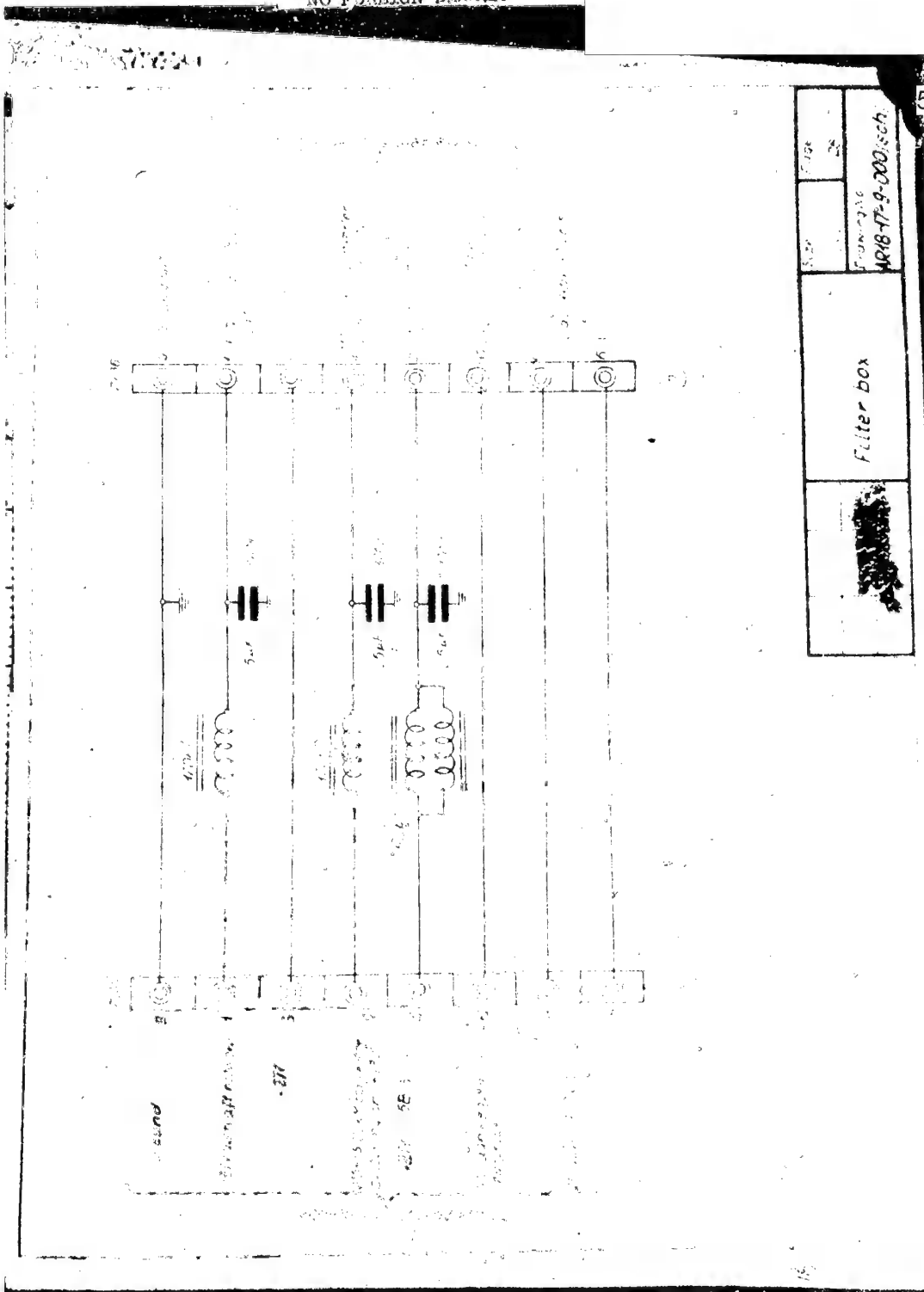
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[illegible]

~~S-E-C-R-E-T~~

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM



1000	100	1000	100
Filter box			

50X1

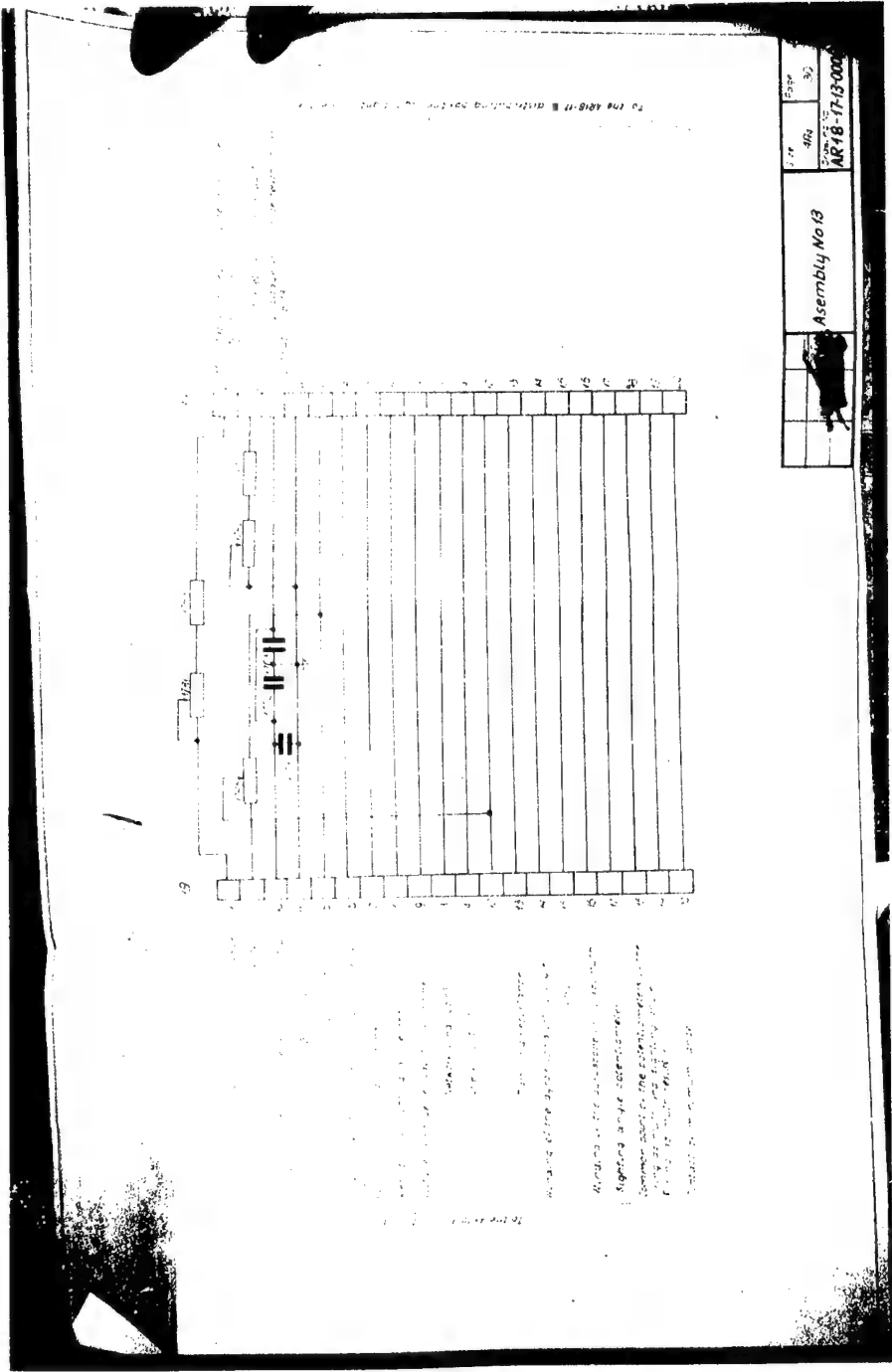
S-E-C-R-E-T

NO FOREIGN DISSEM



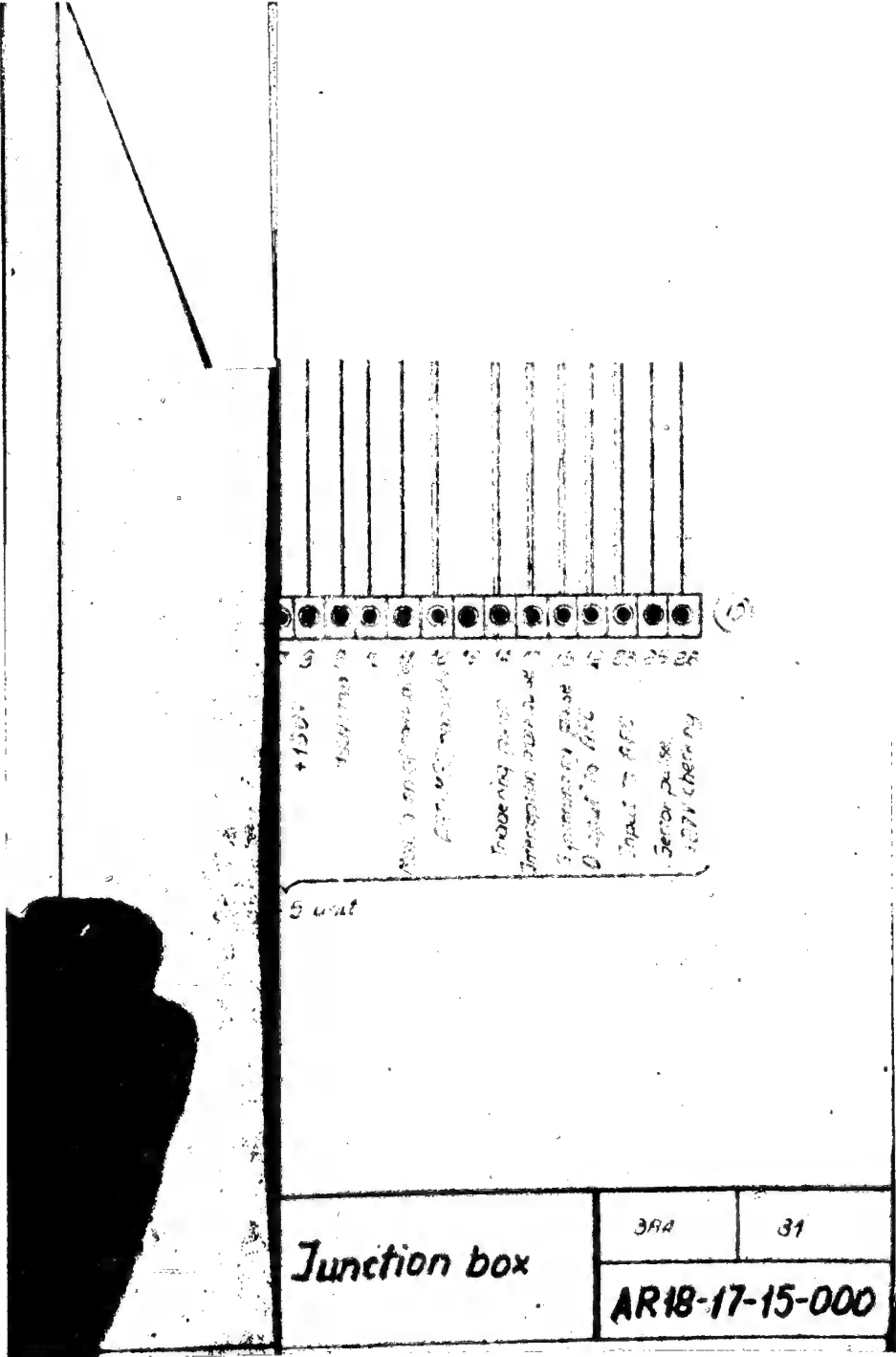


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S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T

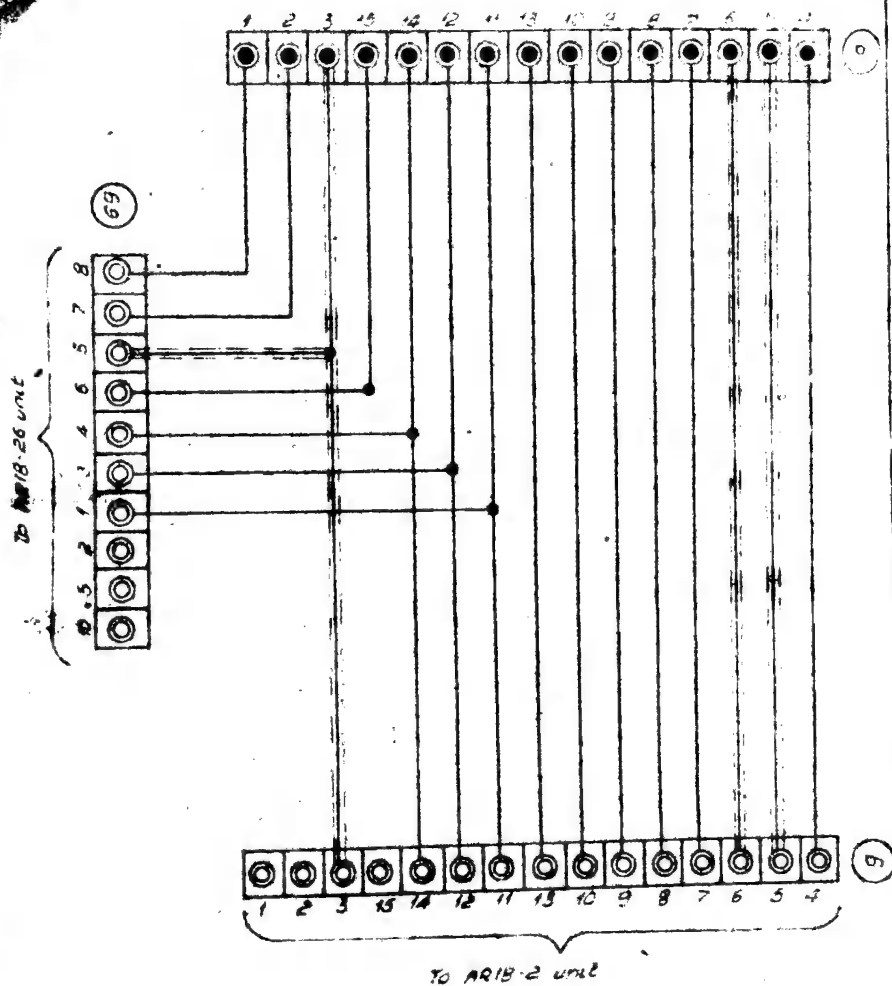
NO FOREIGN DISSEM



*i.*



to AREA 5 unit.



TO AR18-2 unit

T piece box

242

Page

32

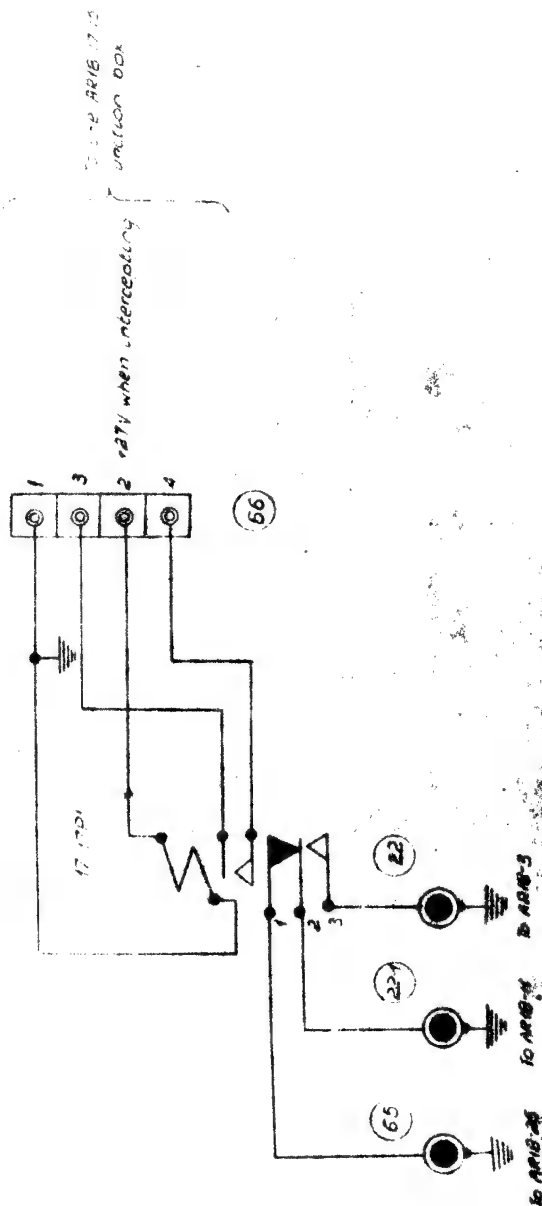
**Drawing No.**

44-1574-000

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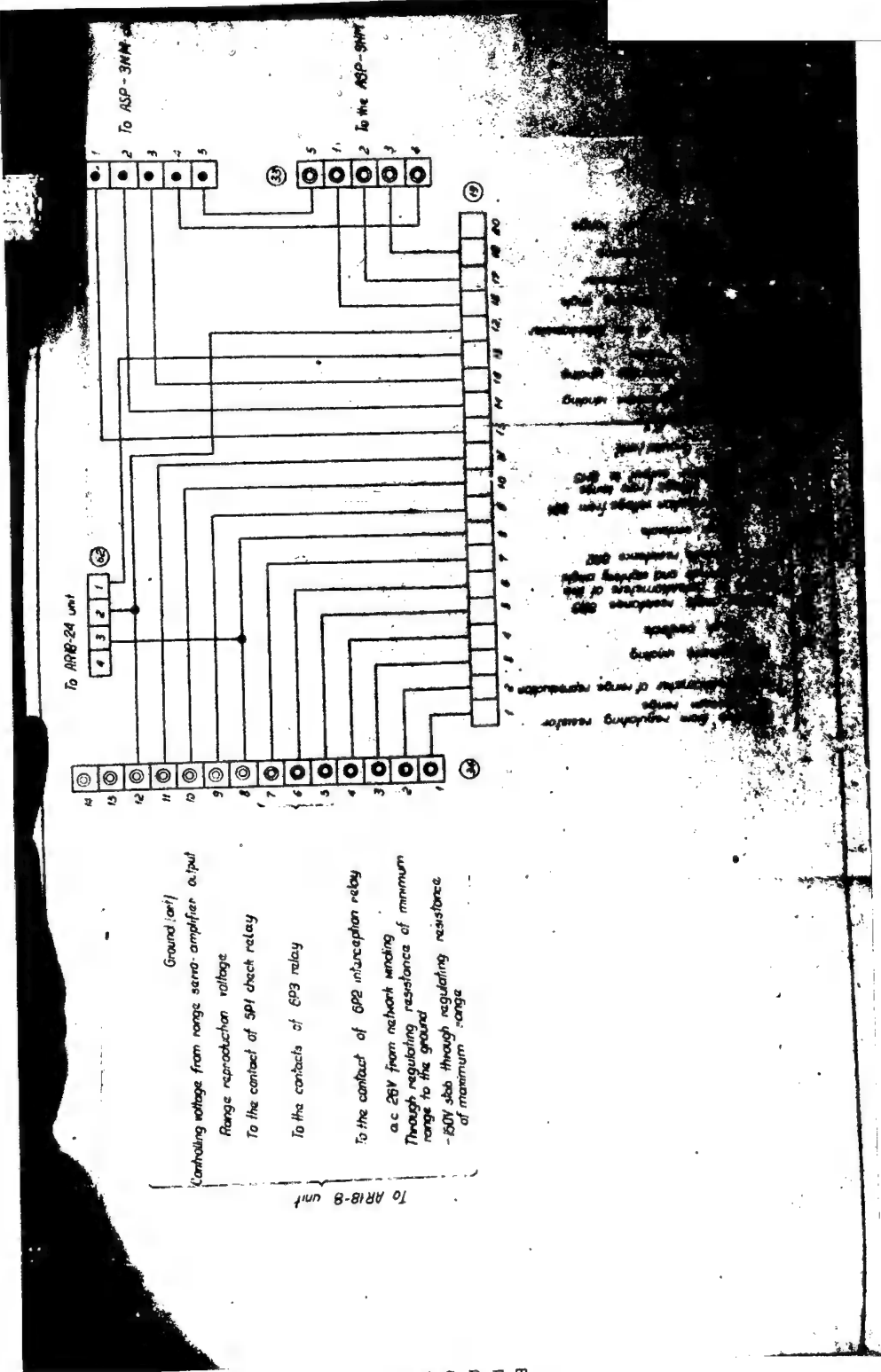
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	Junction box		528	2098
			A4	32
			Drawing No	
			AR 18-17-17-000	



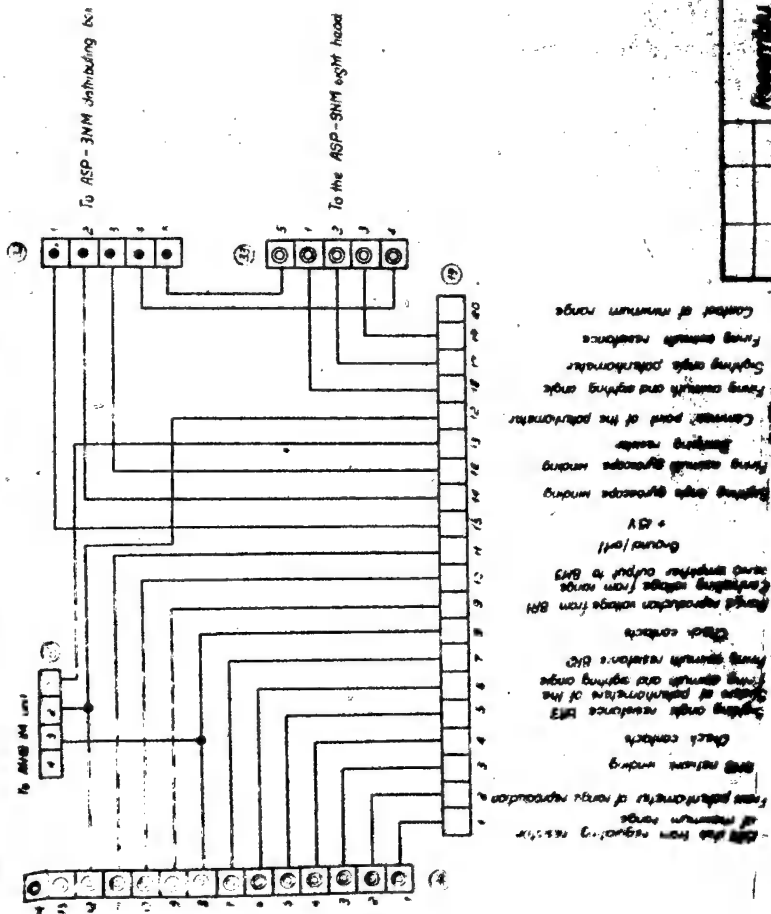
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S-E-C-R-E-T

NO FOREIGN DISSEM

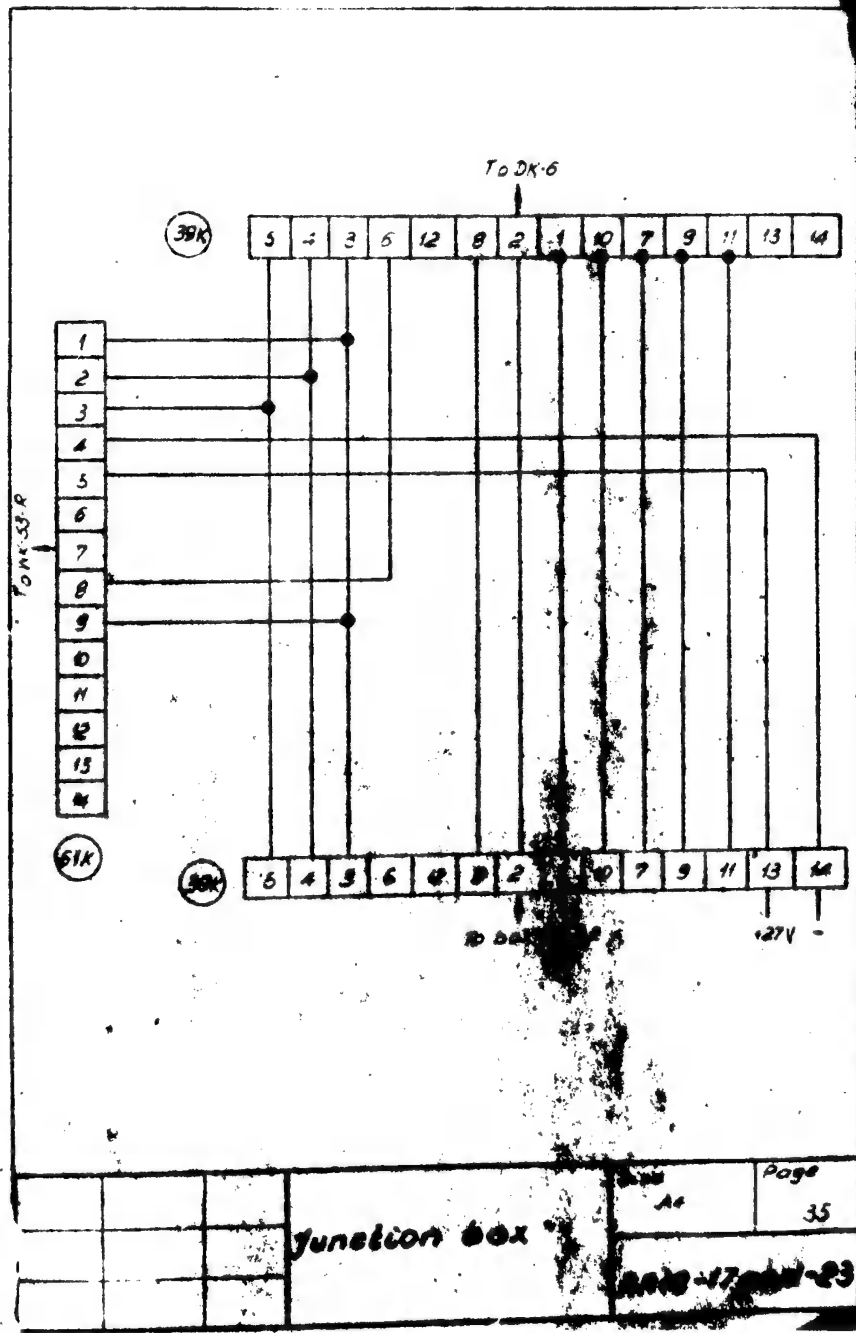
[illegible][illegible]

~~S-E-C-R-E-T~~

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM

**NO FOREIGN DISSEM**

50X1

**SECRET**

**NO FOREIGN DISSEM**

**SECRET**  
NO FOREIGN DISSEM

50X1

**RP-5 RADAR STATION  
WIRING DIAGRAMS**

(English Language)

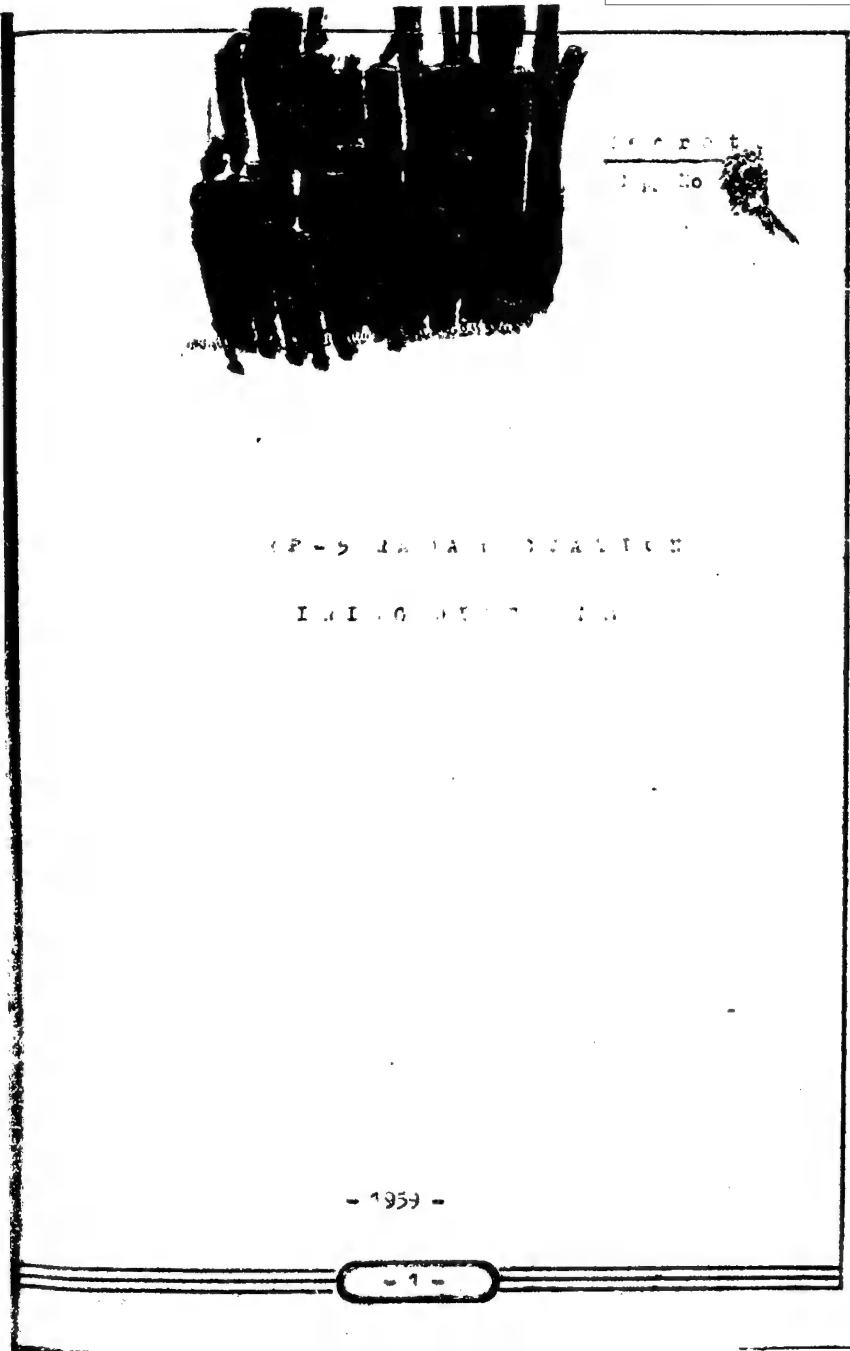
**SECRET**  
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GROUP 1  
Excluded from automatic  
downgrading and  
declassification

S-E-C-R-E-T  
NO FOREIGN DISSEM



50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM



S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

Item	Name of diagram	No. of diagrams	Page	Notes
1	Scanning serial key diagram	AR18-1-1-00	5	
2	Wiring diagram	AR18-1-1-000	6	
3	Wiring diagram	AR18-1-1-00	7	
4	JFFA wiring diagram	AR18-2-7-000	8	
5	Unit No 3 wiring diagram	AR18-3-0-000	9	
6	Subassembly No 1 wiring diagram	AR18-3-1-000	10	
7	Subassembly No 2 wiring diagram	AR18-3-2-00	11	
8	Subassembly No2 wiring diagram	AR18-3-3-000	12	
9	Indicator wiring diagram	AR18-3-4-000	13	
10	Time base unit wiring diagram	AR18-3-5-000	14	
11	Subassembly No 4 wiring diagram	AR18-3-6-000	15	
12	Subassembly No 2 wiring diagram	AR18-3-7-000	16	
13	Target coordinate transmission unit wiring diagram	AR18-3-8-000	17	
14	Target tracking unit wiring diagram	AR18-3-9-000	18	
15	Subassembly No4 wiring diagram	AR18-3-10-000	19	

- 2 -

S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

18	Subassembly No 2 wiring diagram	AR16-10-2-000	20
17	Wiring diagram	AR16-10-0-000	21
16	Subassembly No 1 wiring diagram	AR16-1-1-000	22
15	Subassembly No 2 wiring diagram	AR16-1-2-000	23
14	Azimuth time base and supply		
13	Unit wiring diagram	AR16-12-0-000	24
12	Subassembly No 1 wiring diagram	AR16-12-1-000	25
11	Subassembly No 2 wiring diagram	AR16-12-2-000	26
10	Servoamplifier unit wiring dia.	AR16-1-1-000	27
9	Unit No 21 wiring diagram	AR16-1-1-000	28
8	Subassembly No 1 wiring diagram	AR16-1-1-000	29

S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

26	Subassembly No 2 wiring diagram	AR18-21-2-000	30	
27	Unit No 25 wiring diagram	AR18-25-0-000	31	
28	Subassembly No 1 wiring diagram	AR18-25-1-000	32	
29	Subassembly No 2 wiring diagram	AR18-25-2-000	33	
30	Automatic deactivation unit			
	Diagram	AR18-25-0-000	34	

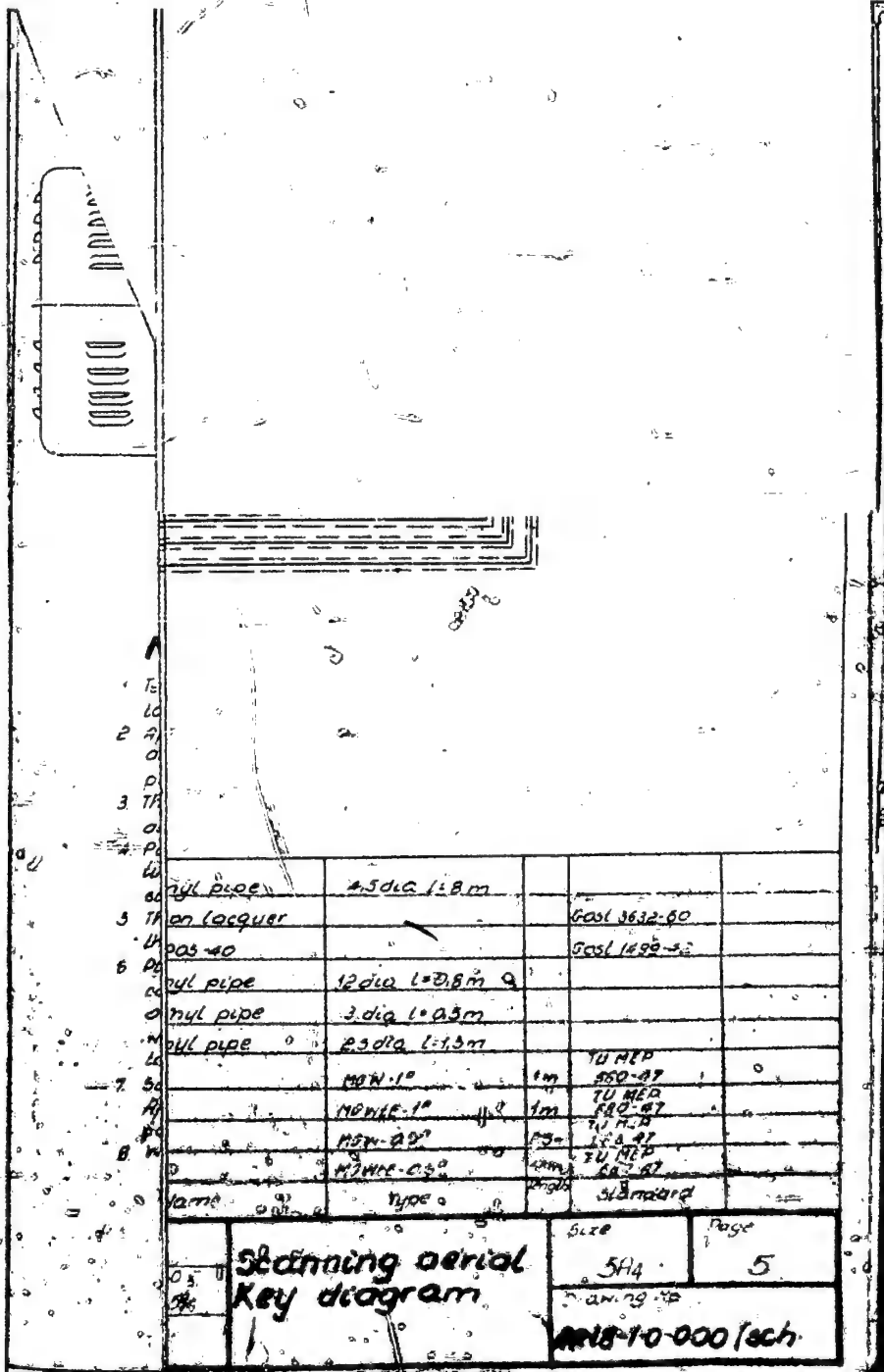
31 AR-28-16 unit wiring diagram 310910023/ 35

S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

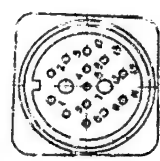
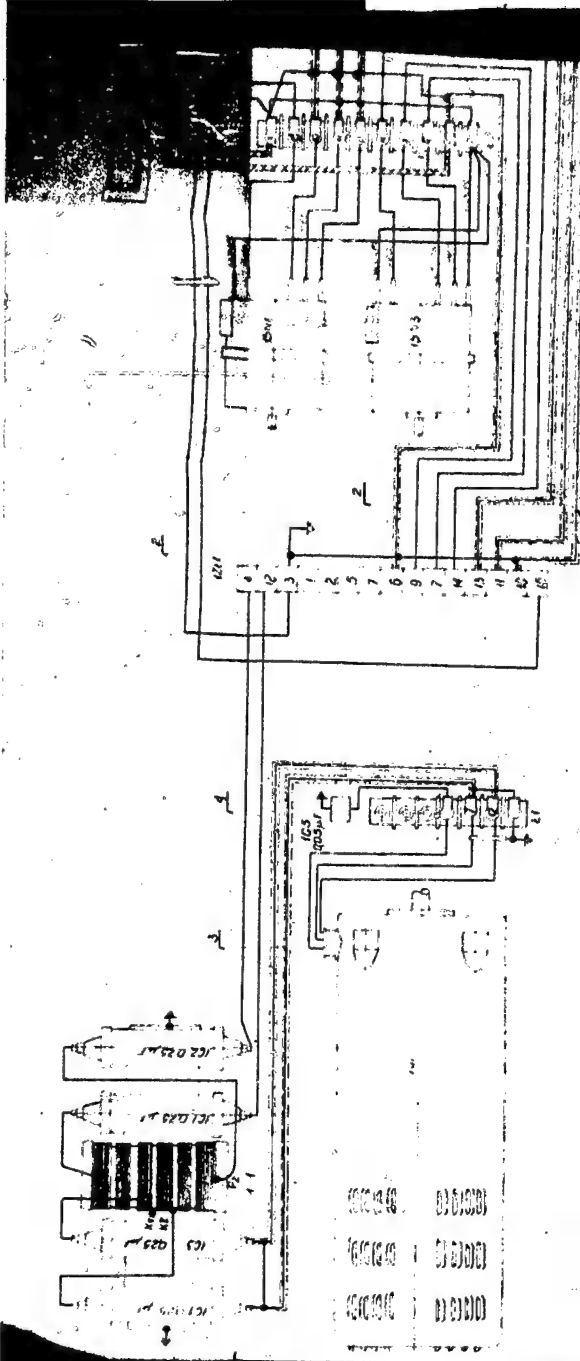
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
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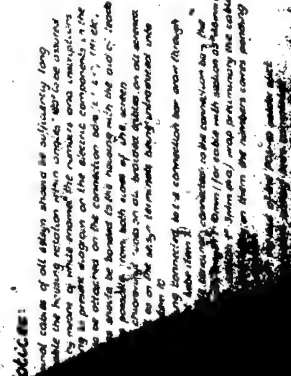


Notices:

1. The circuit shown is for a single channel and is not intended for use as a multi-channel circuit.
2. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
3. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
4. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
5. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
6. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
7. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
8. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
9. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.
10. The circuit is designed for use with a single channel and is not intended for use as a multi-channel circuit.

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T

NO FOREIGN DISSEM

C

*Secret*

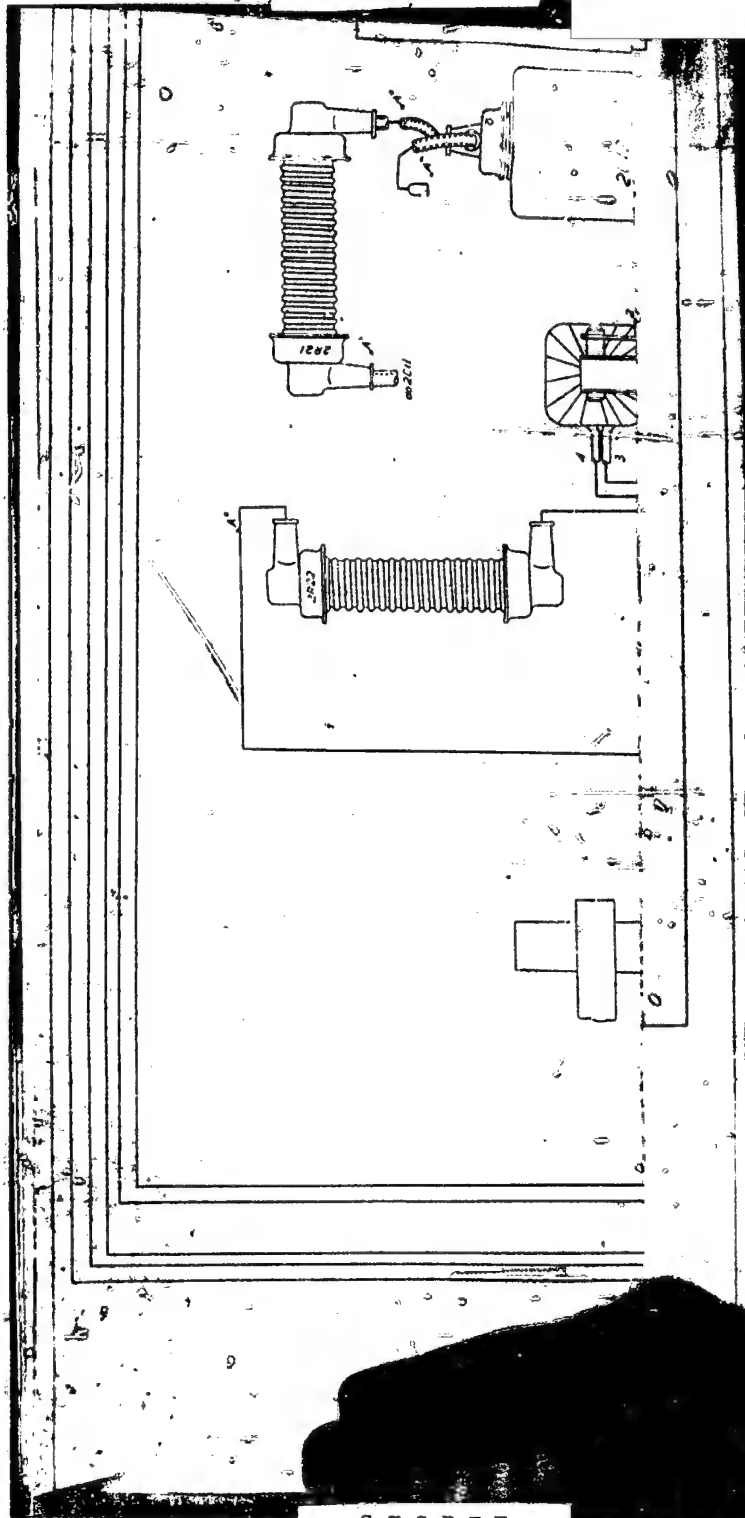
Assembly 11

Wiring diagram	size	Page
	21A4	6
AR18-2-0-000M		

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

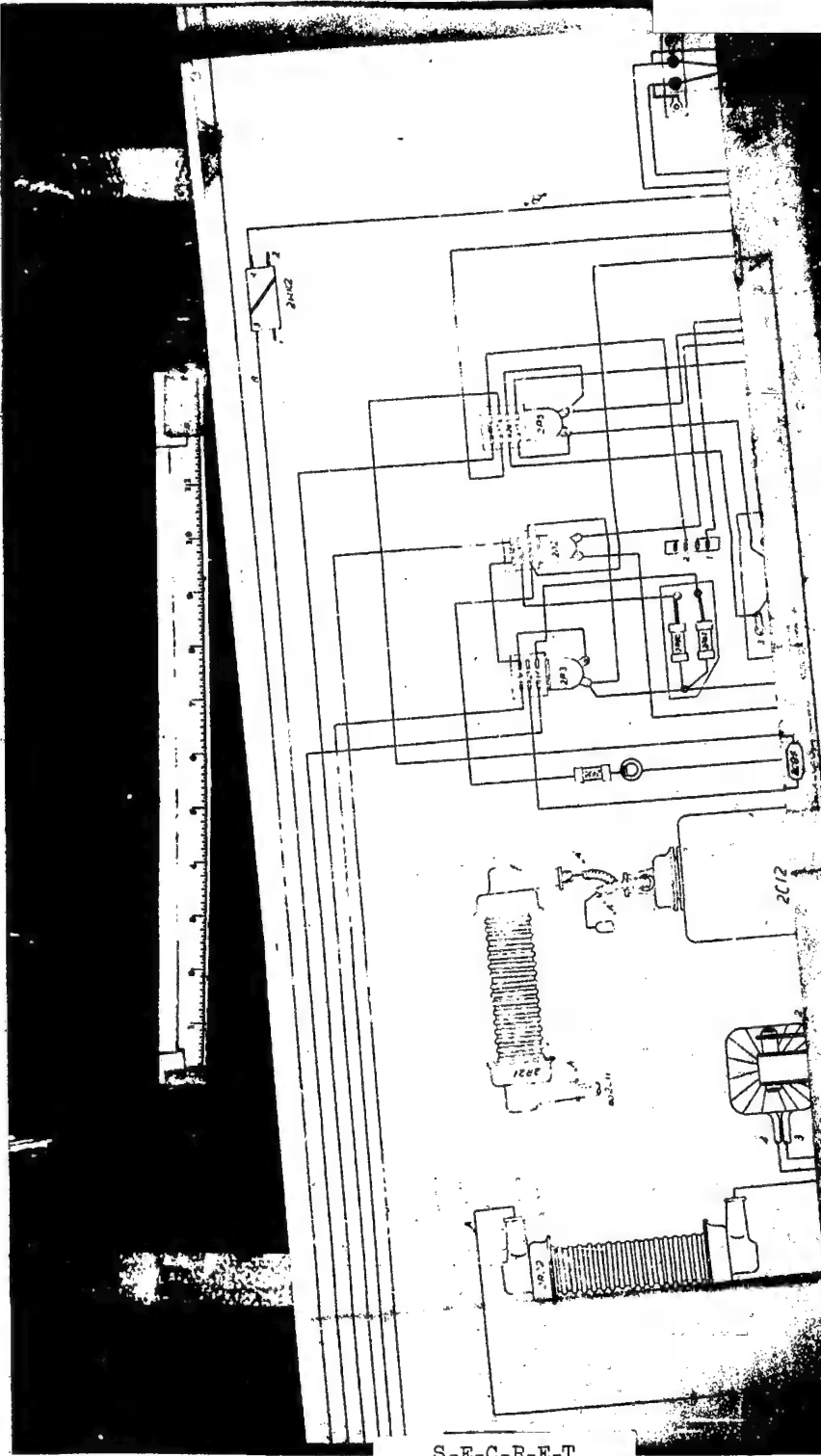


S-E-C-R-E-T  
NO FOREIGN DISSEM



S-E-C-R-E-T  
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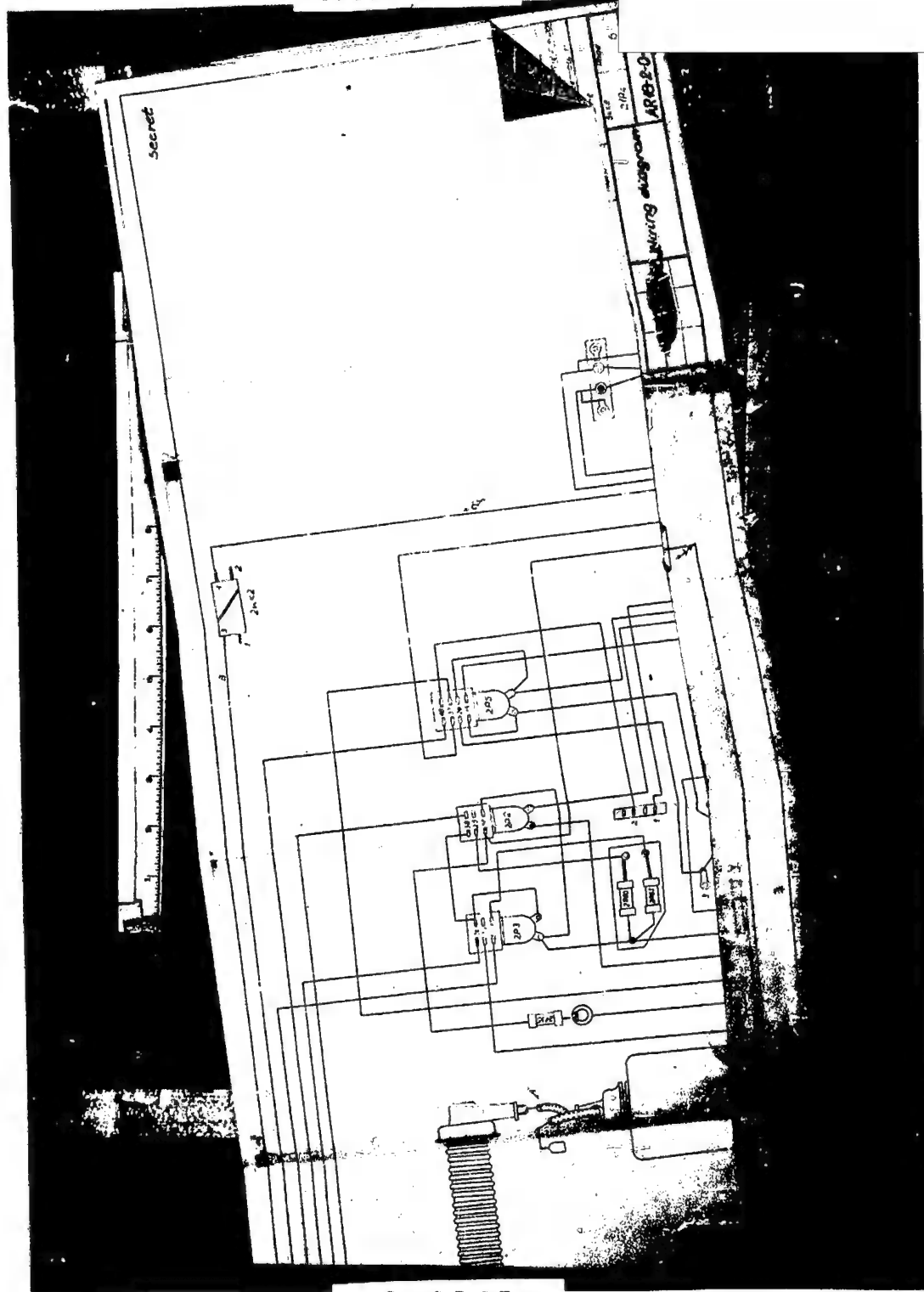
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S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

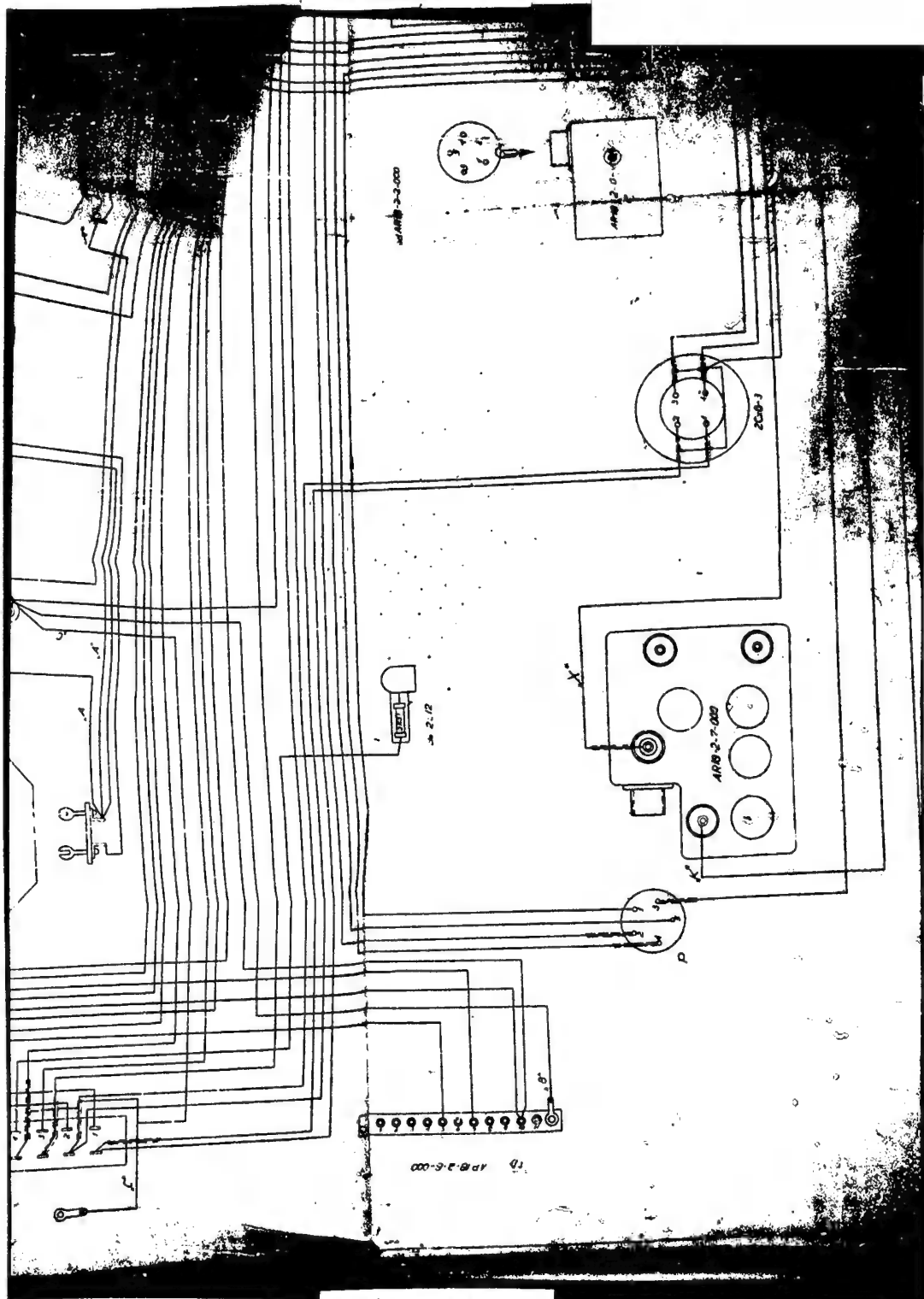


50X1

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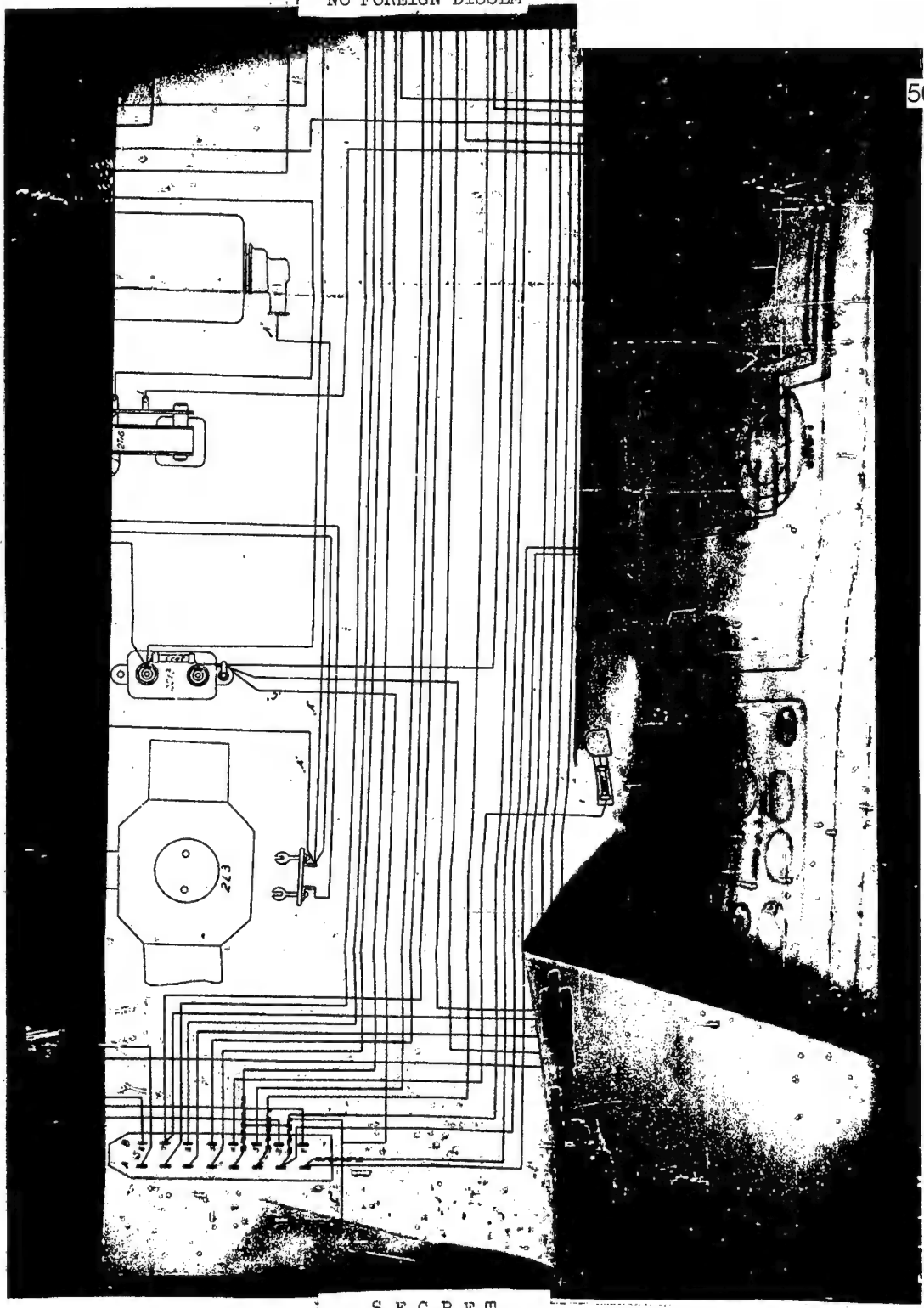
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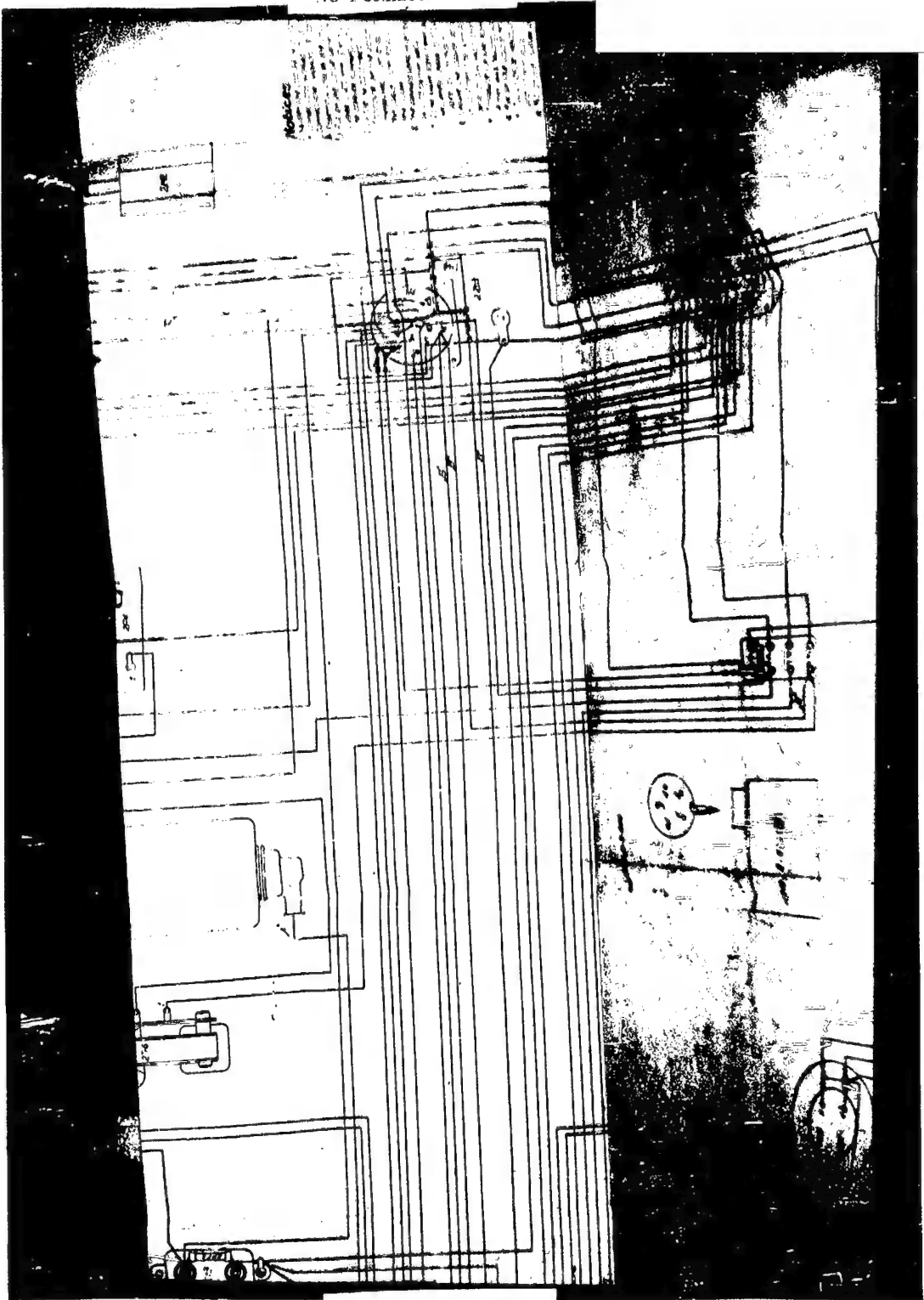
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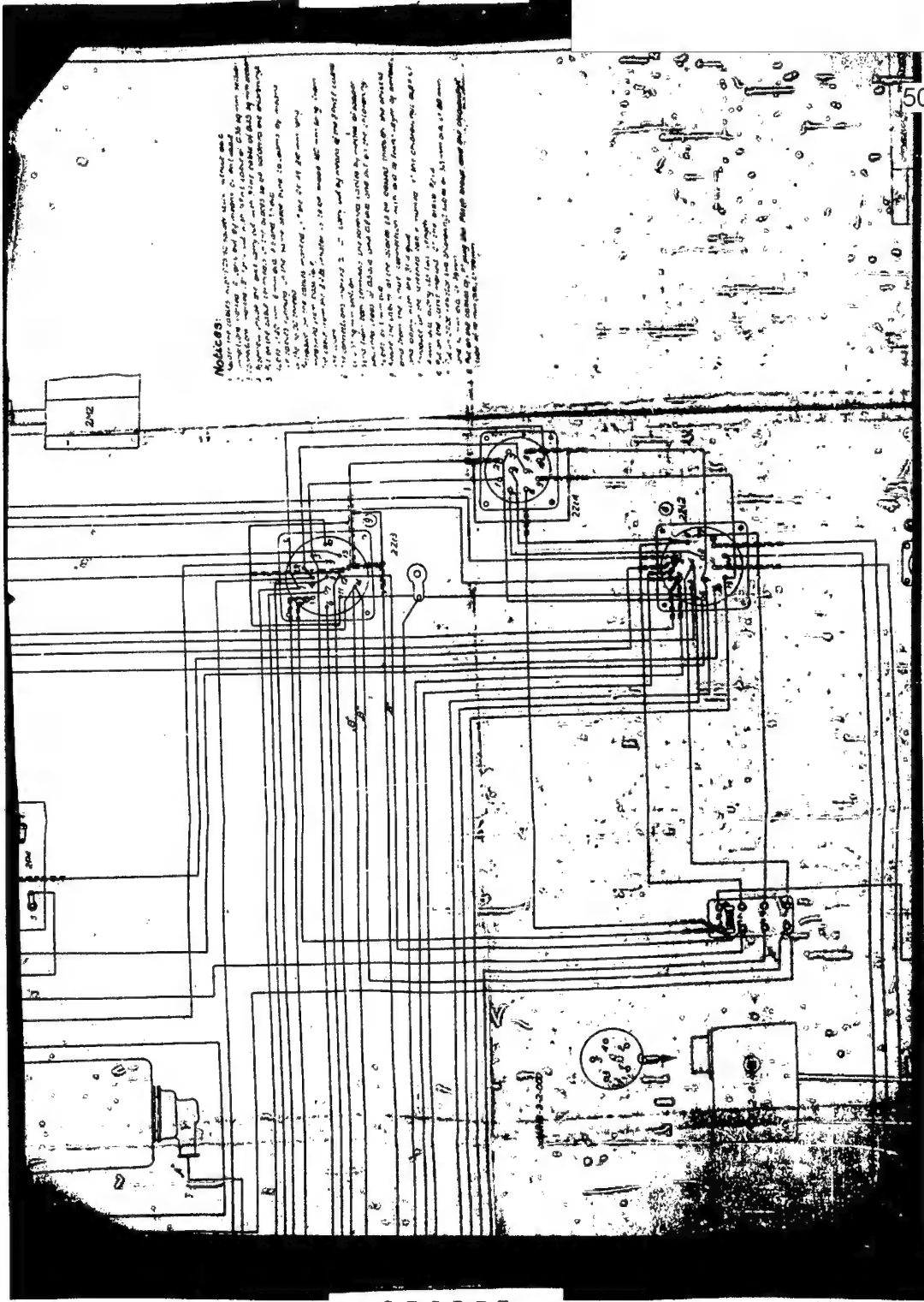
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50X1

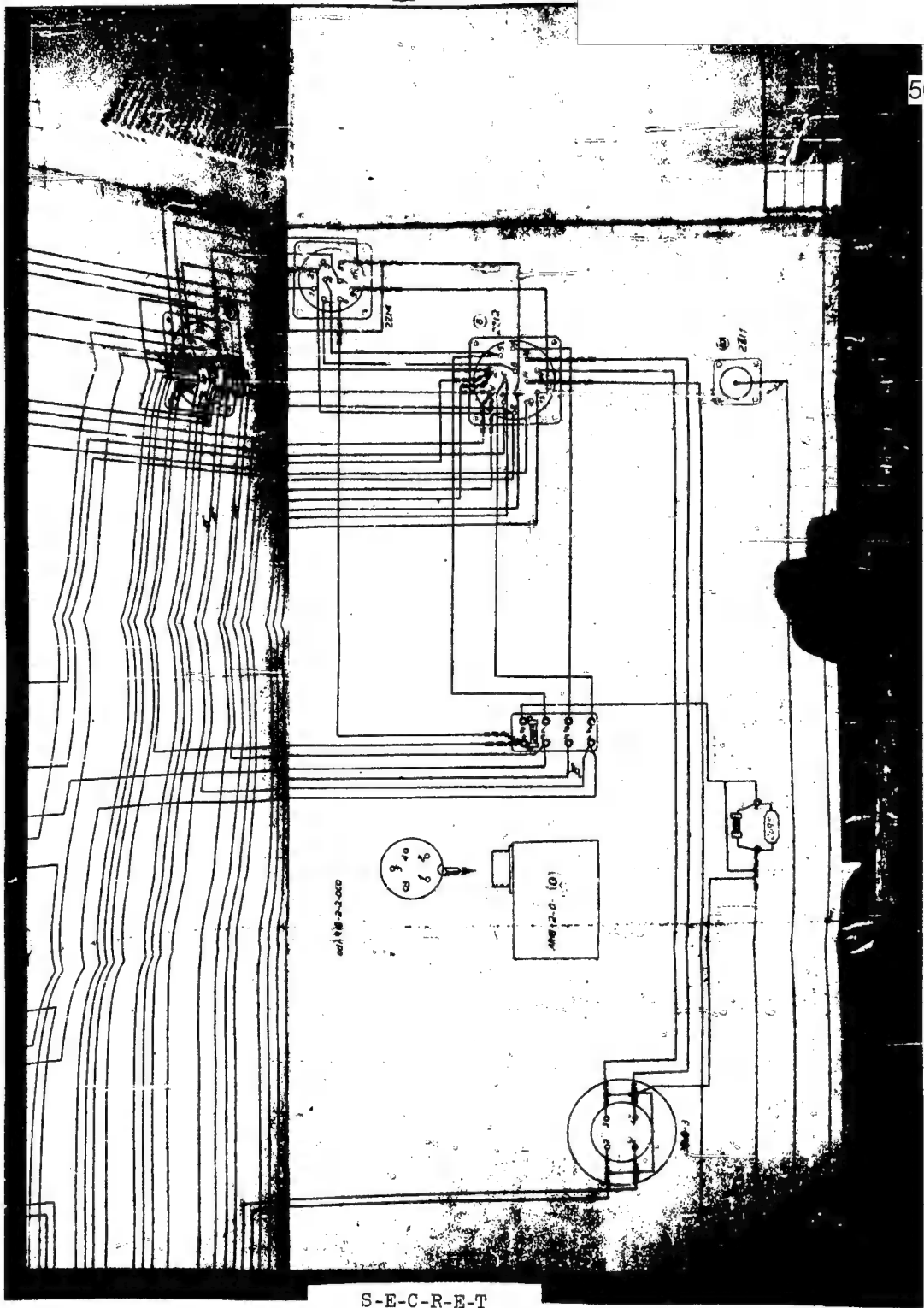
NOTES:  
1. This drawing is a schematic diagram of the electrical system of the vehicle. It shows the location and interconnection of the battery, alternator, starter, and various electrical components.  
2. The battery is located in the front of the vehicle, under the hood.  
3. The alternator is located in the front of the vehicle, to the right of the battery.  
4. The starter is located in the front of the vehicle, to the left of the battery.  
5. The electrical components are located throughout the vehicle, as indicated by the wiring diagram.  
6. The wiring diagram shows the path of the electrical current from the battery to the various components.  
7. The components are labeled with their respective part numbers.  
8. The drawing is a schematic diagram and does not show the physical layout of the components.  
9. The drawing is a schematic diagram and does not show the physical layout of the components.  
10. The drawing is a schematic diagram and does not show the physical layout of the components.



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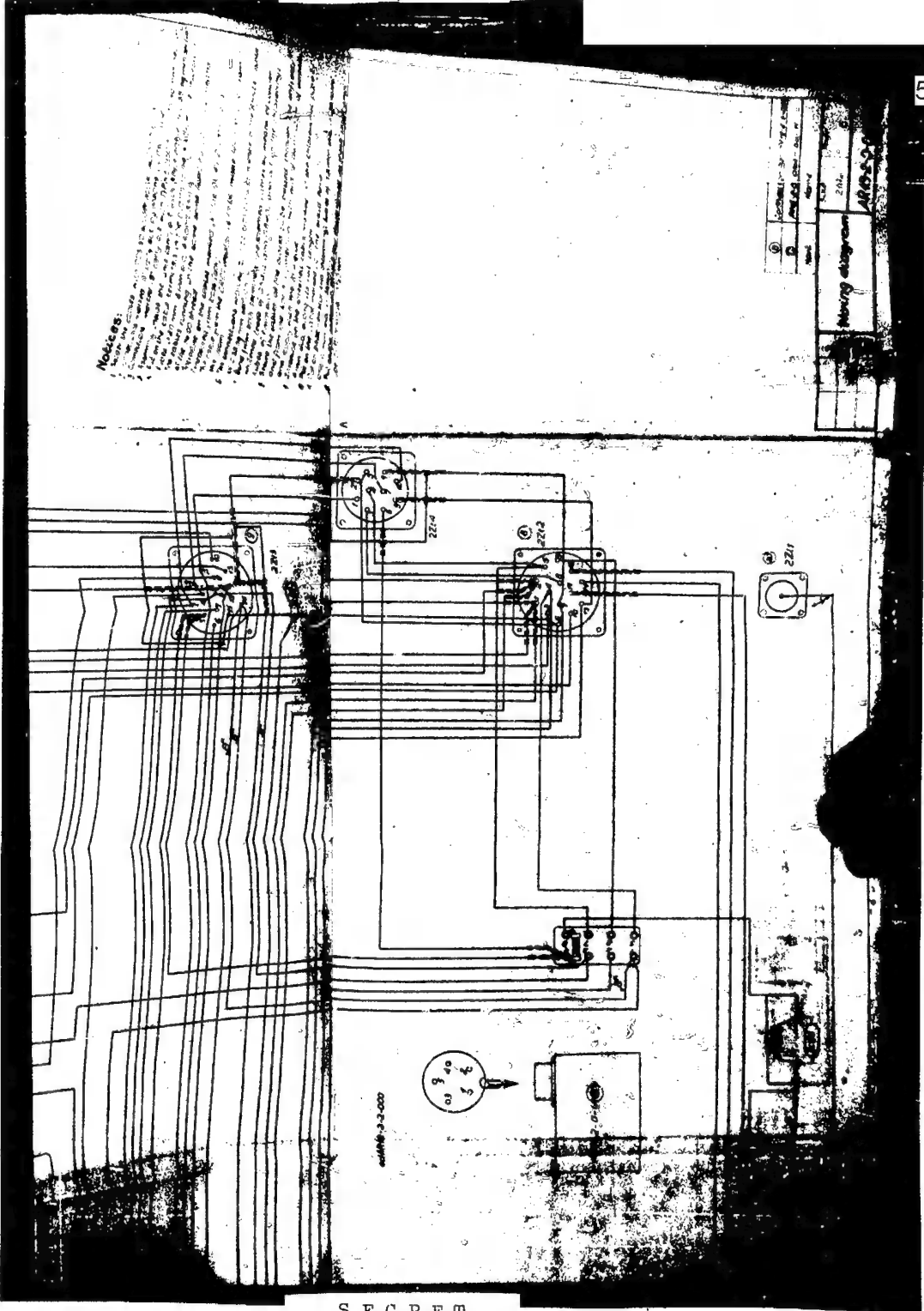
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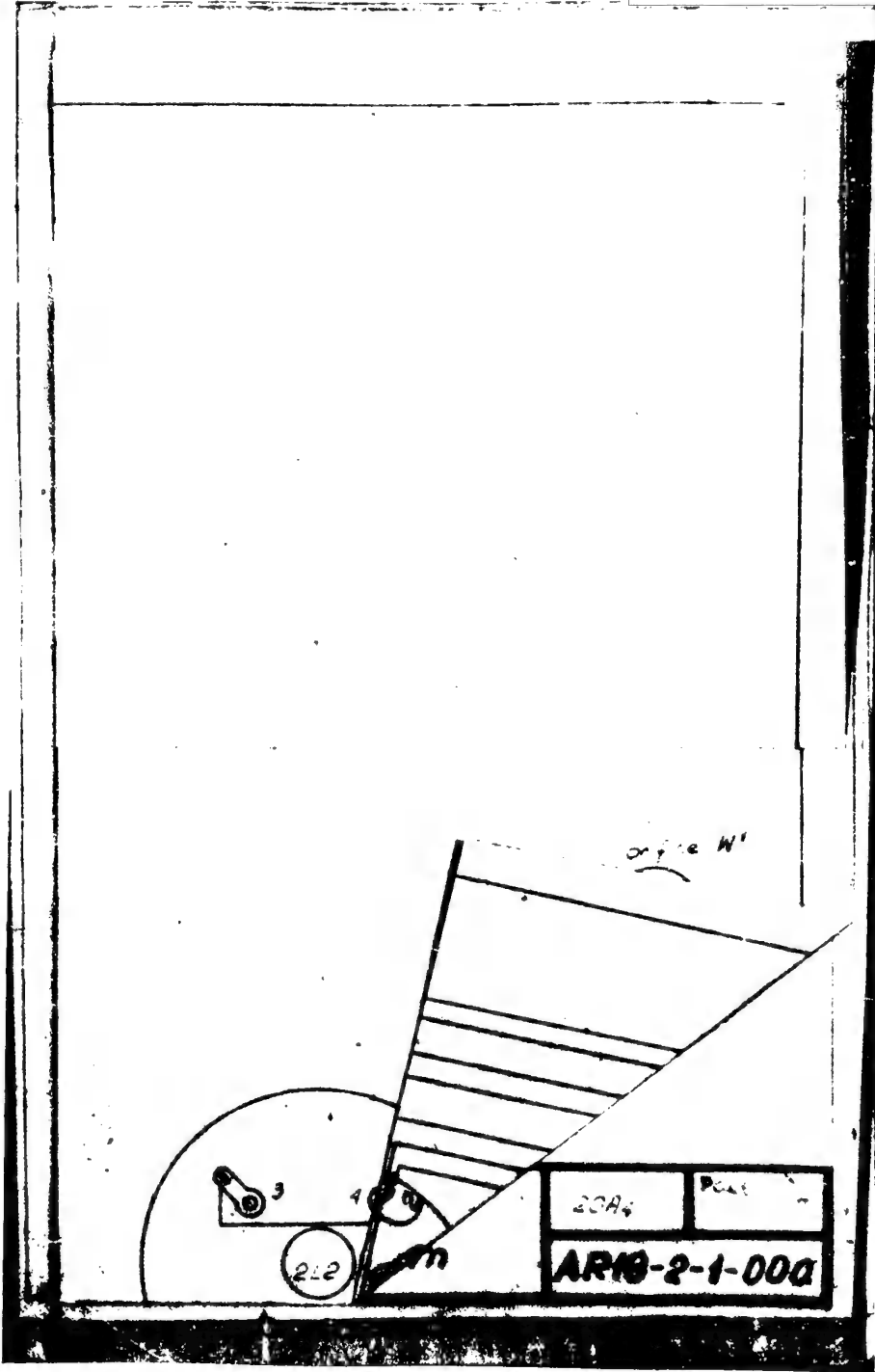


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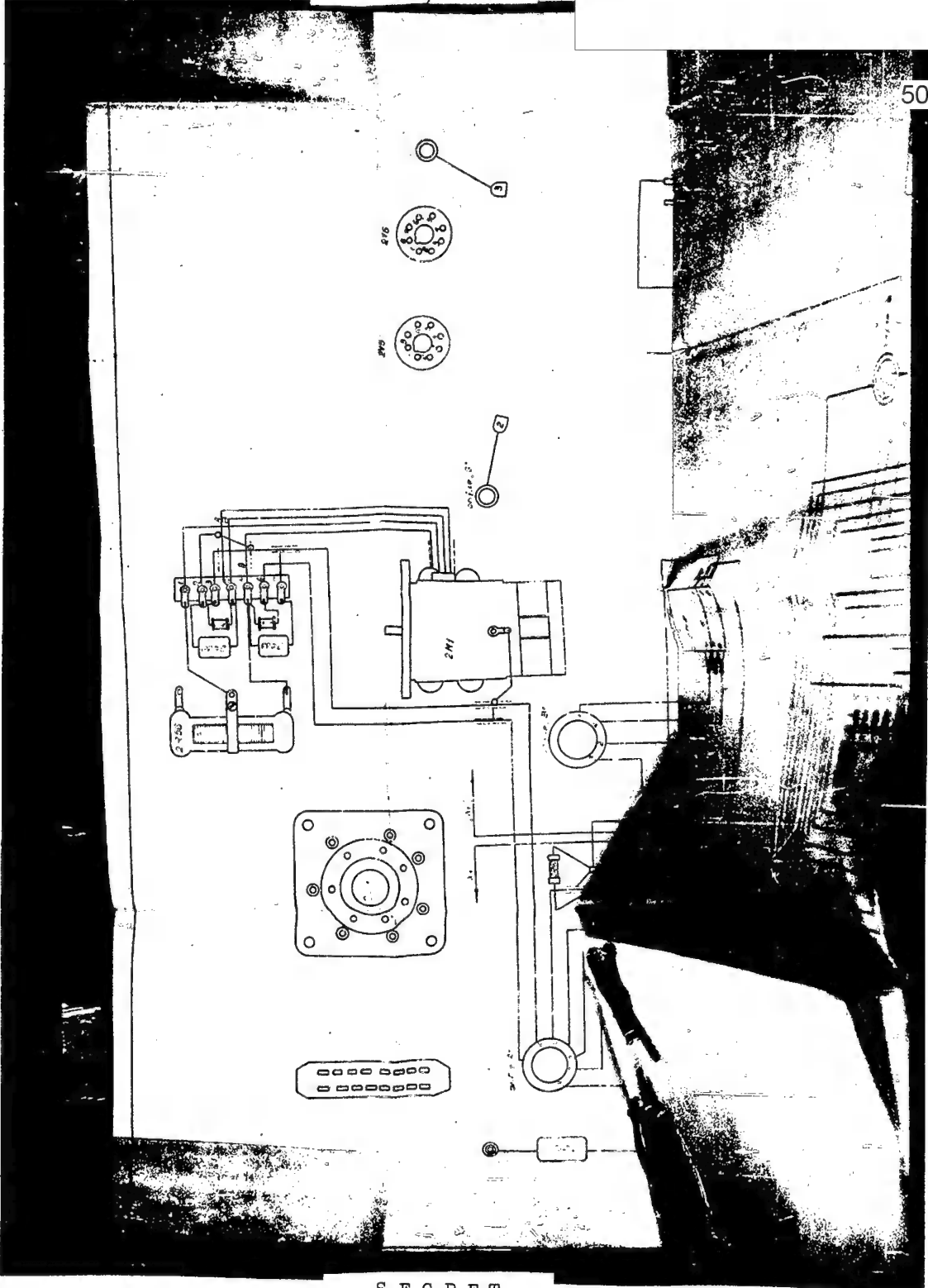


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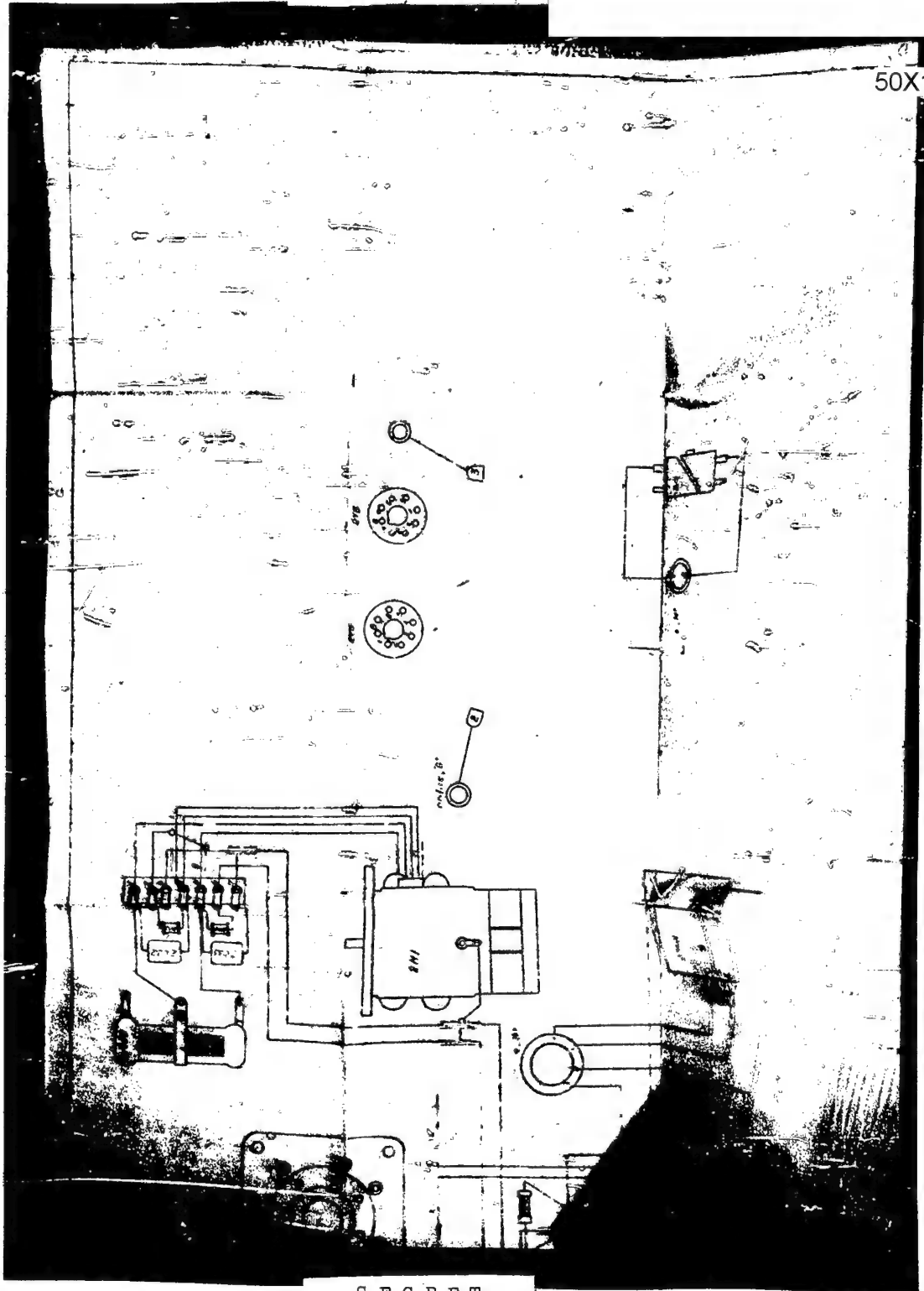
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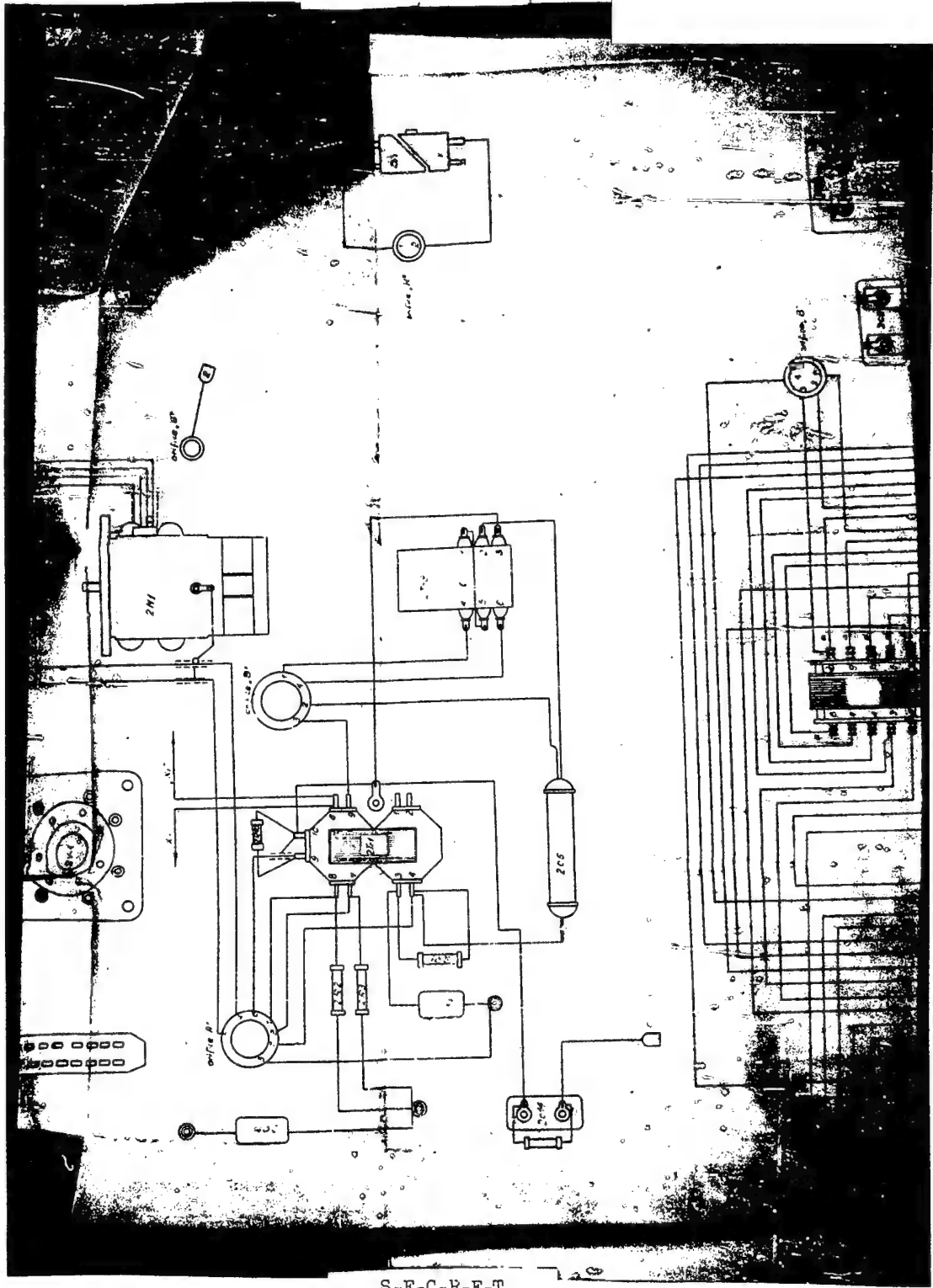
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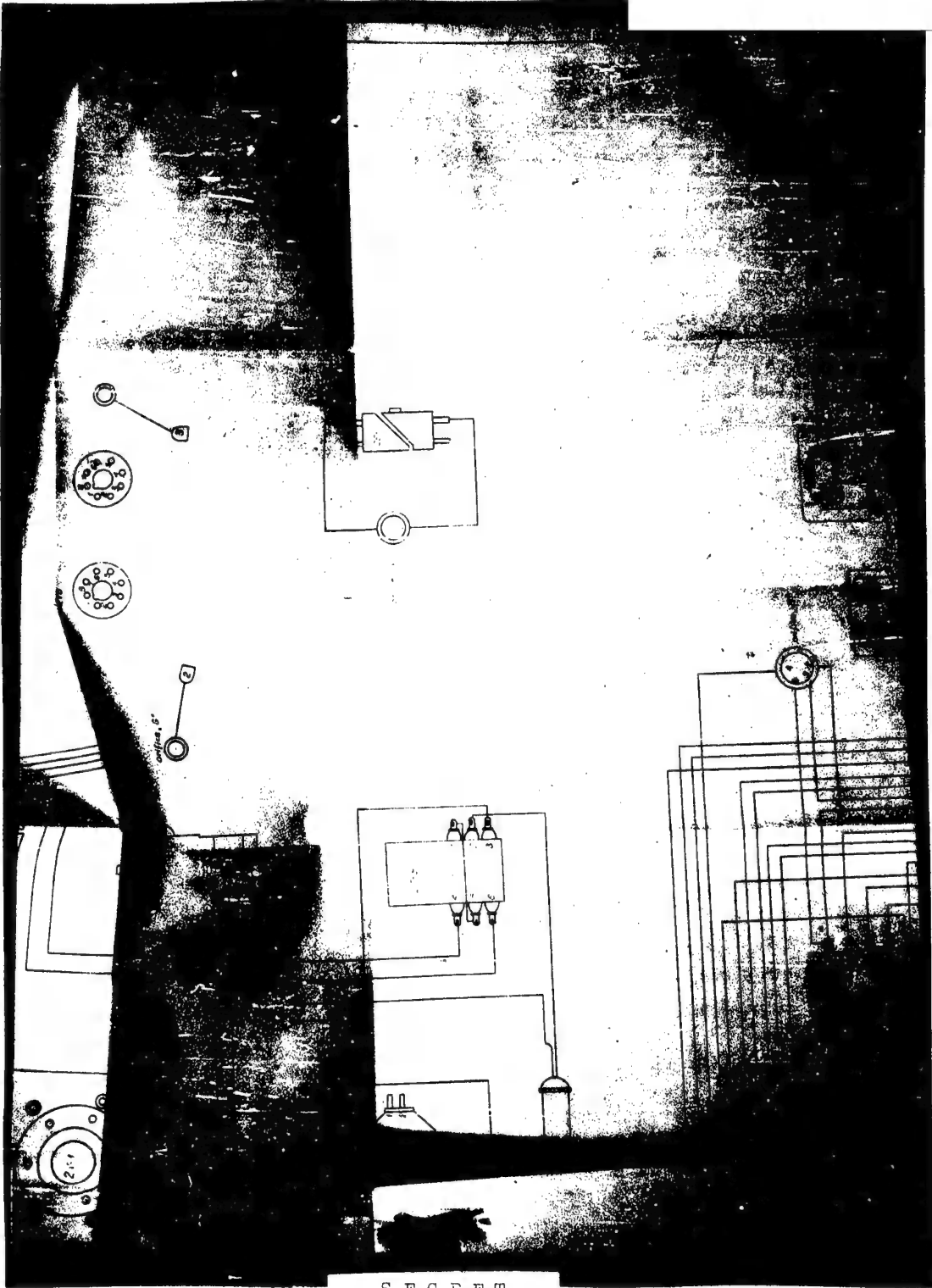


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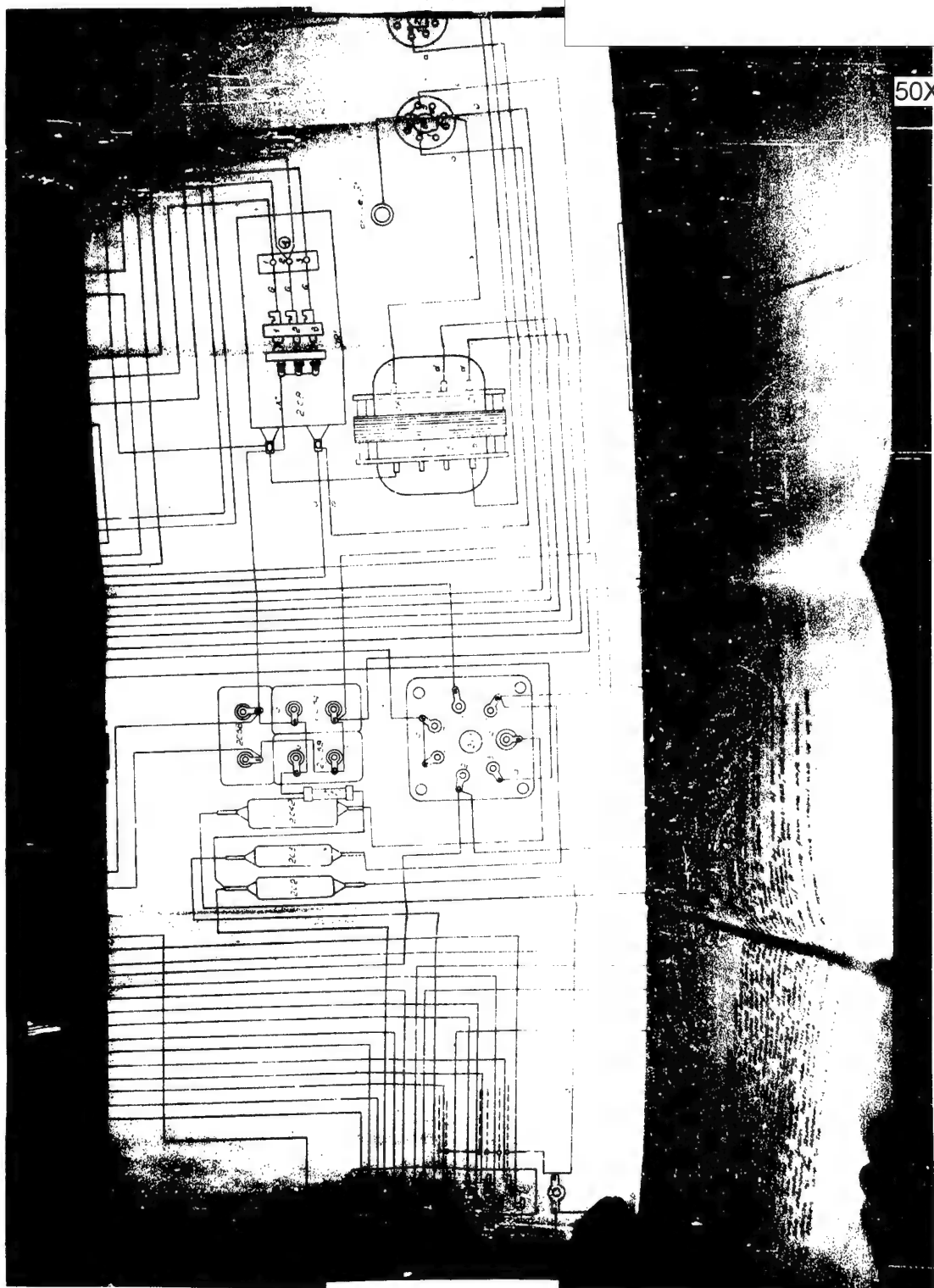
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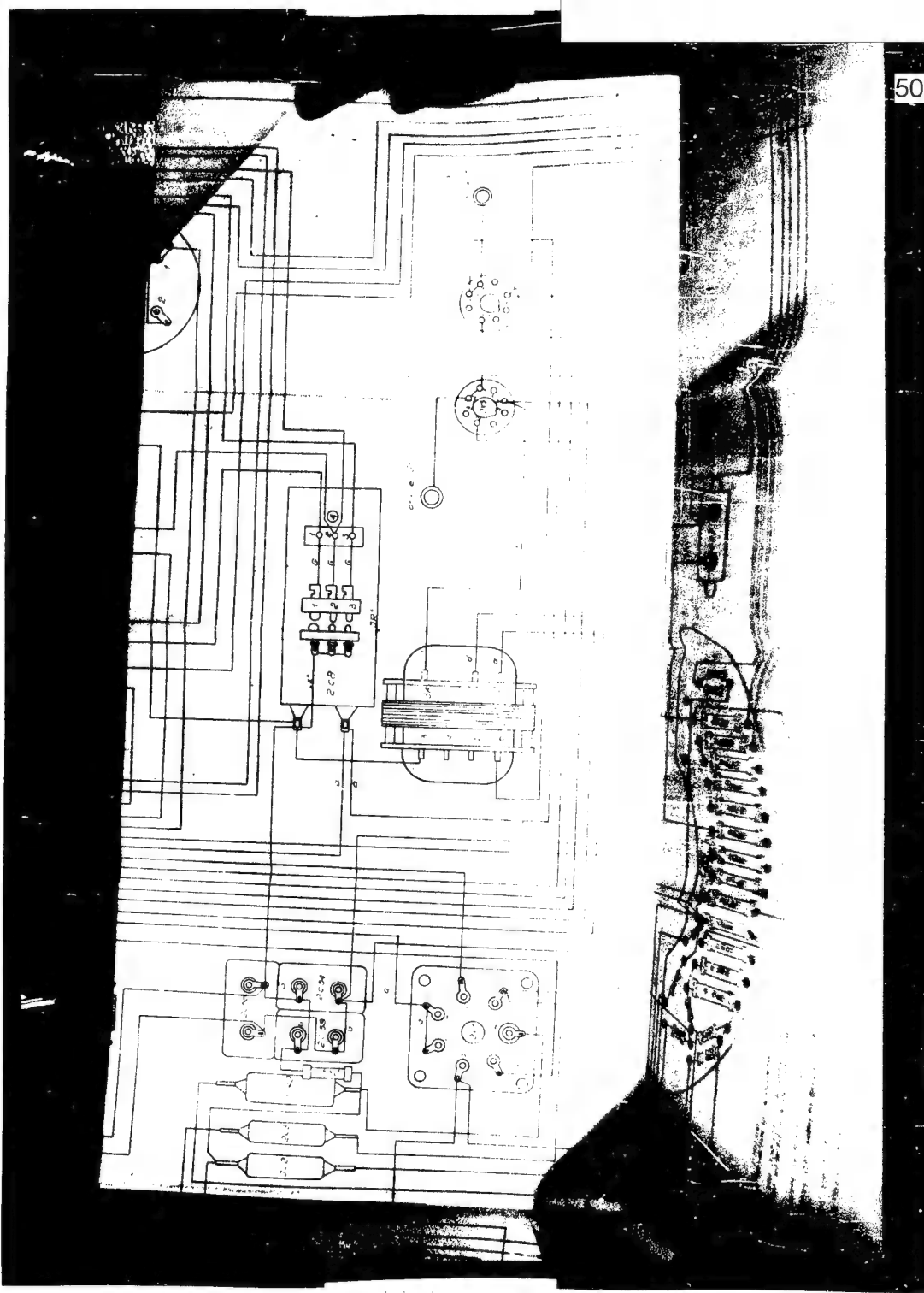
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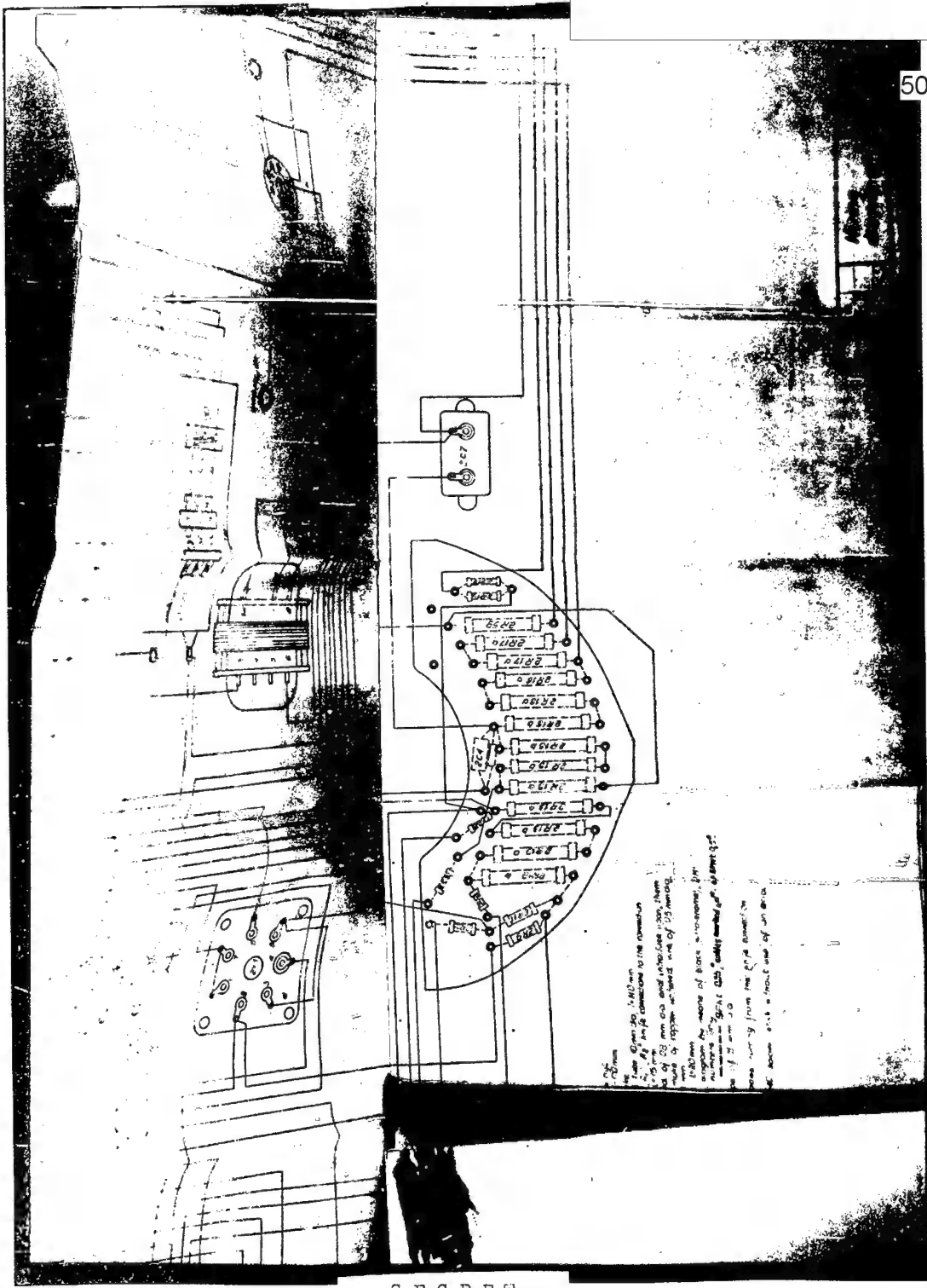


## Notices.

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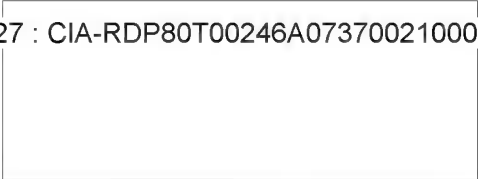


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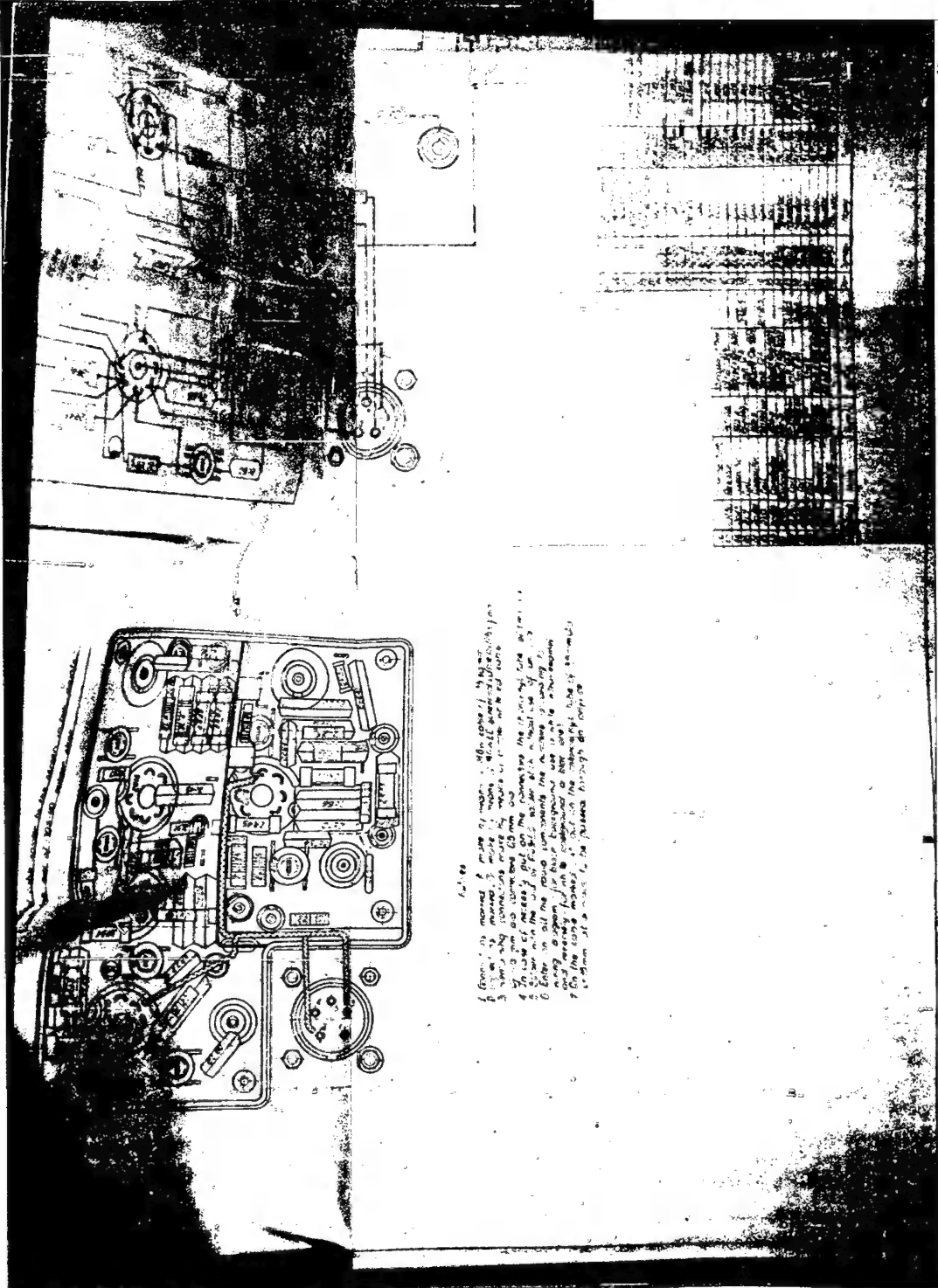


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S-E-C-R-E-T  
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S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



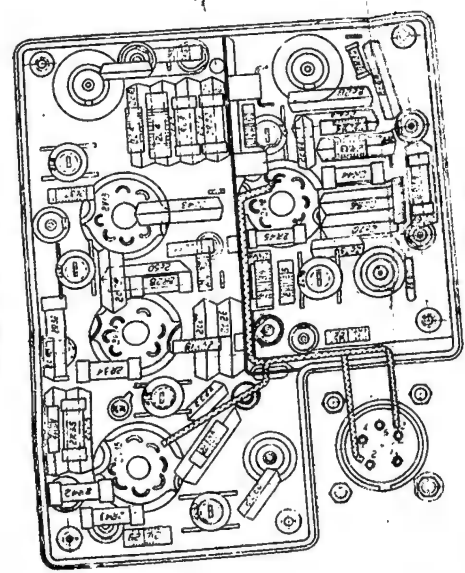
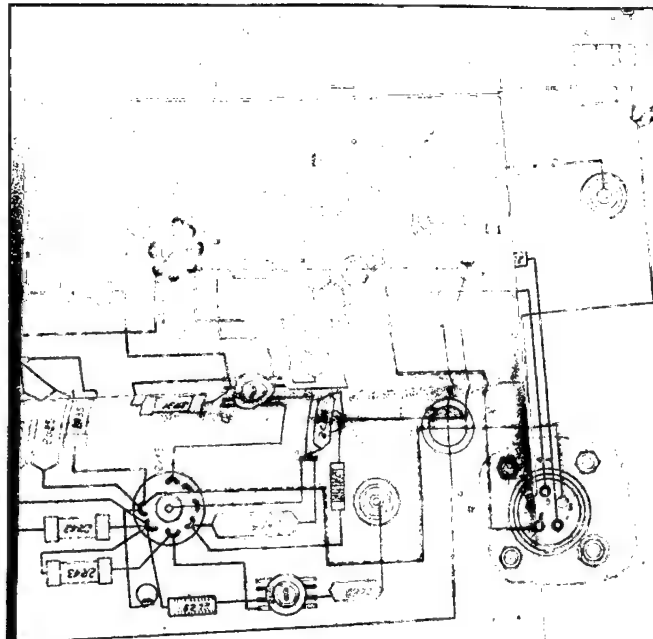
1. The drawing is a schematic of a mechanical device, possibly a pump or motor, showing various components and wiring. The drawing is oriented vertically on the page. To the right of the drawing, there is a large, dark, rectangular area, possibly a redacted section or a heavily shadowed part of the document. The overall image quality is poor, with significant noise and artifacts.

S-E-C-R-E-T

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NO FOREIGN DISSEM

50X1



2. This drawing is a detail of the main assembly shown in drawing 1. It shows the internal components of the assembly, including the shaft, piston, and various housing parts. The drawing is a top view of the assembly.

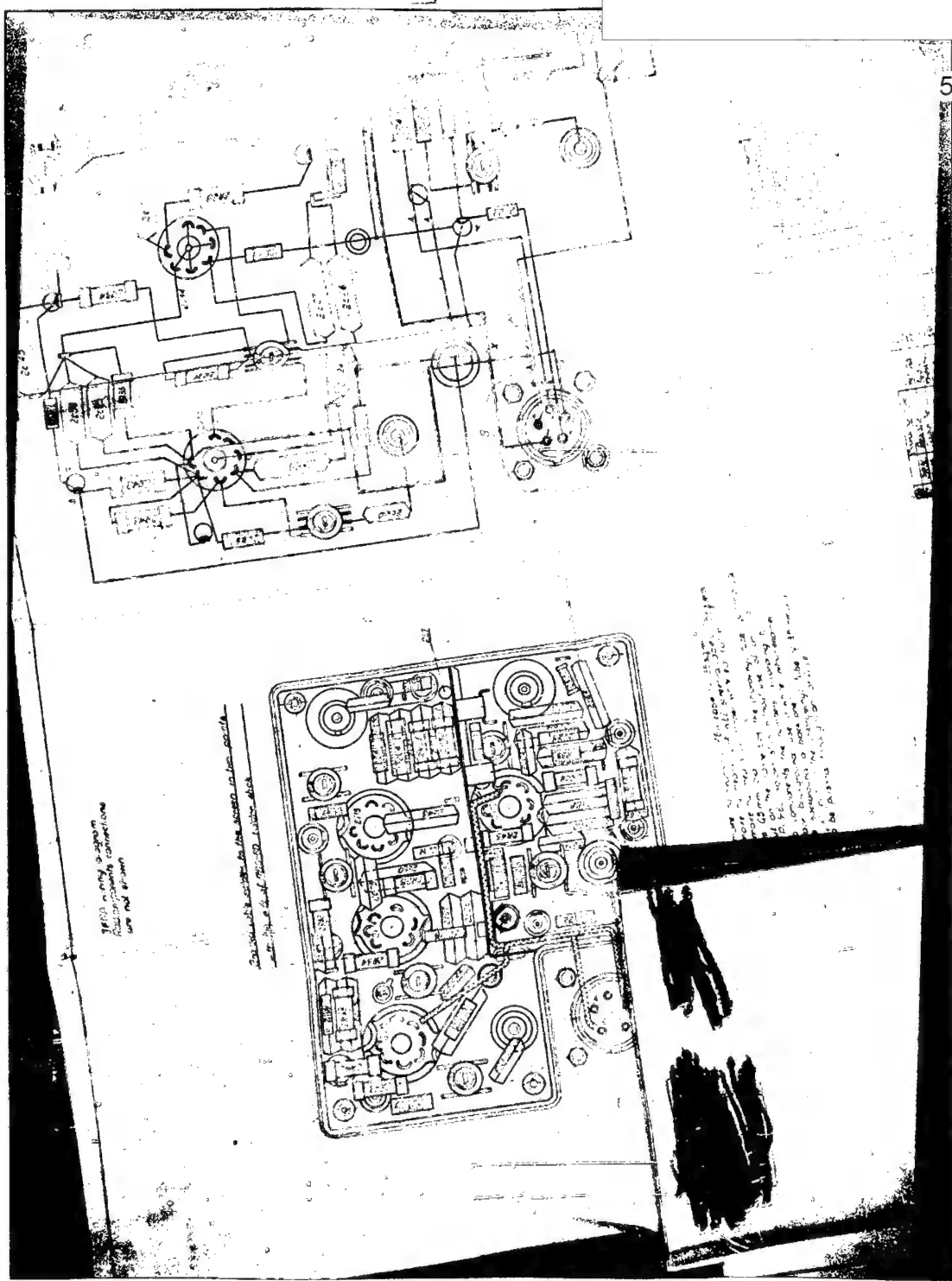
1. This drawing is a detail of the main assembly shown in drawing 1. It shows the internal components of the assembly, including the shaft, piston, and various housing parts. The drawing is a top view of the assembly.

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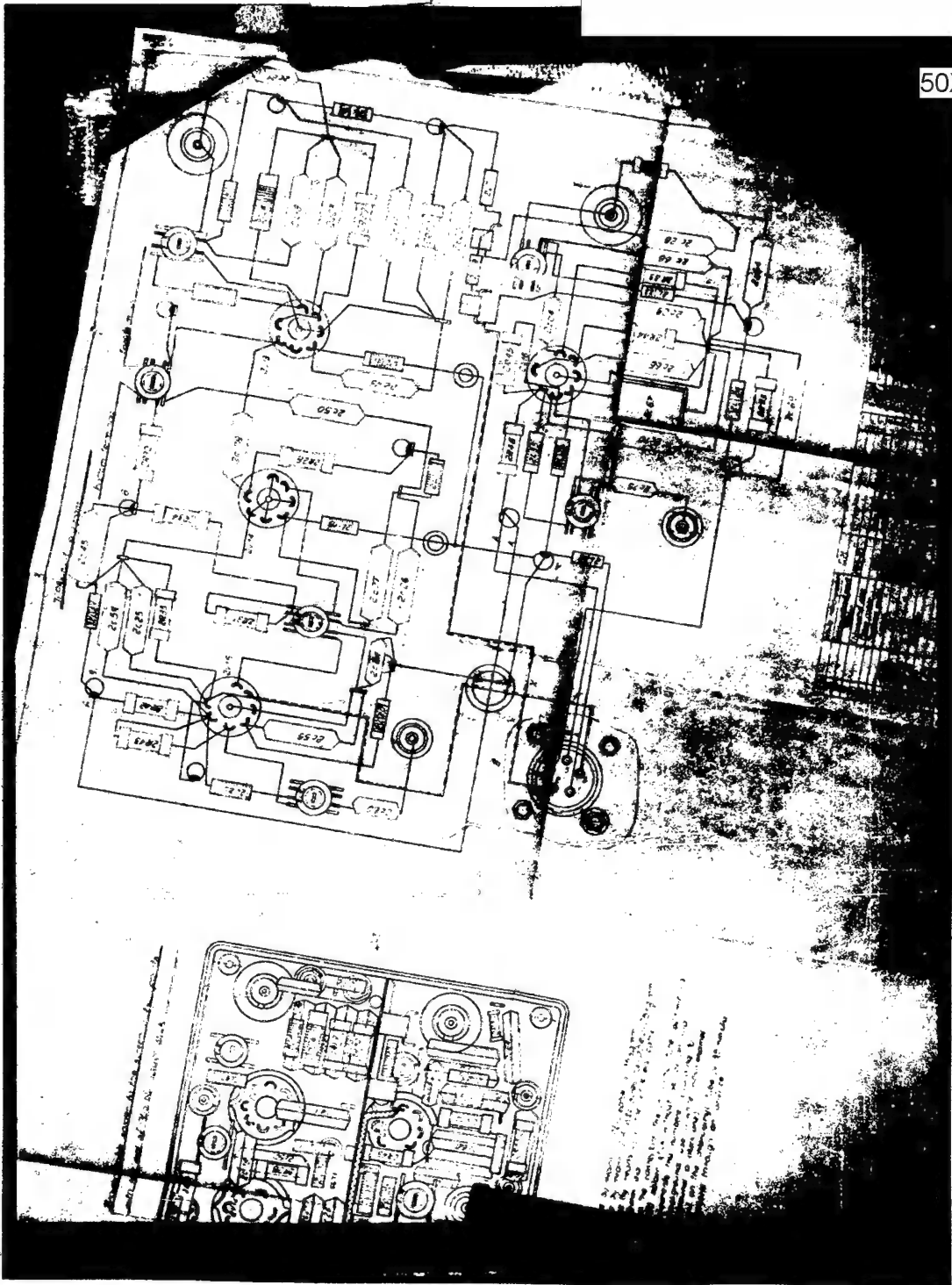
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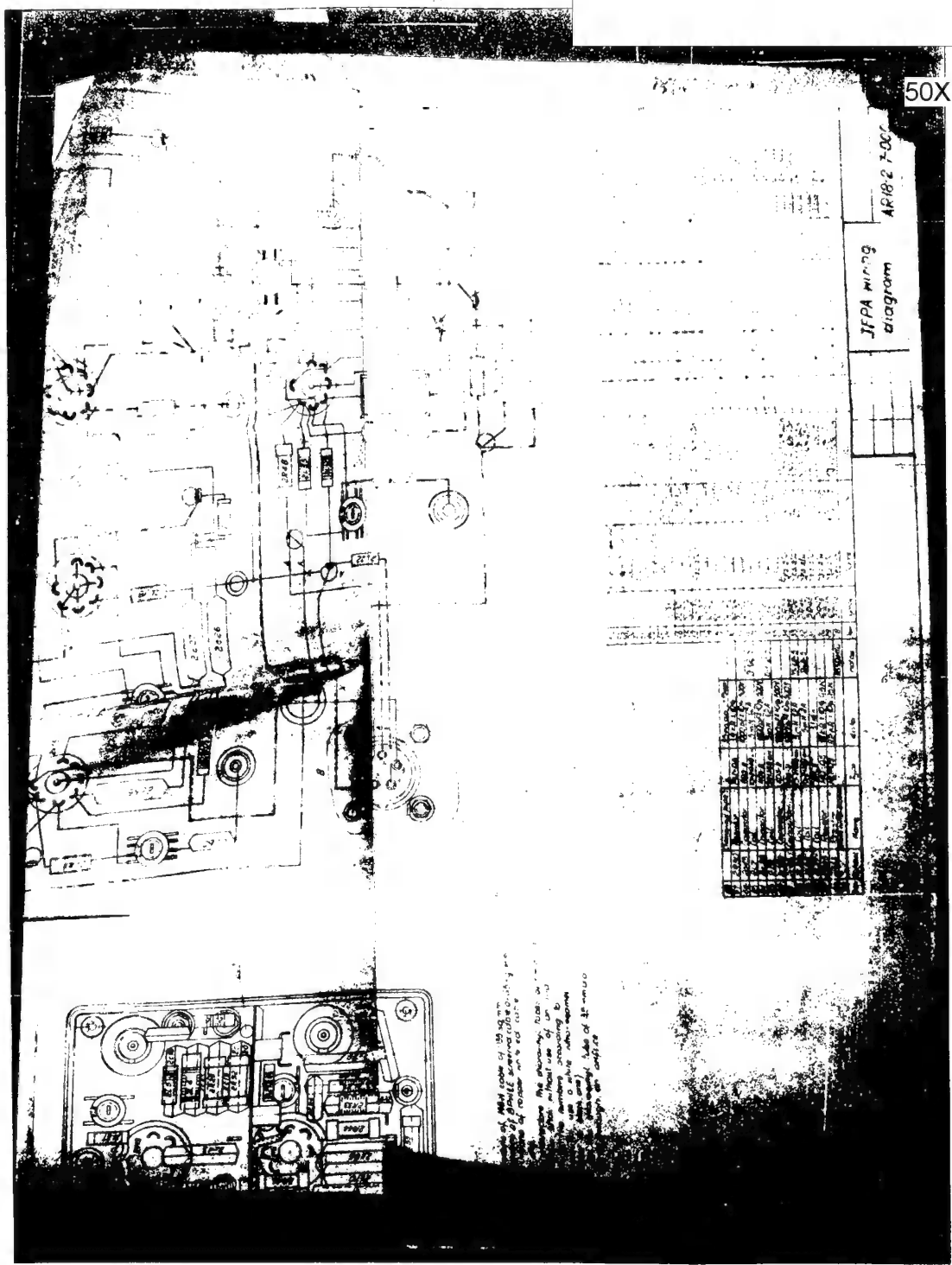
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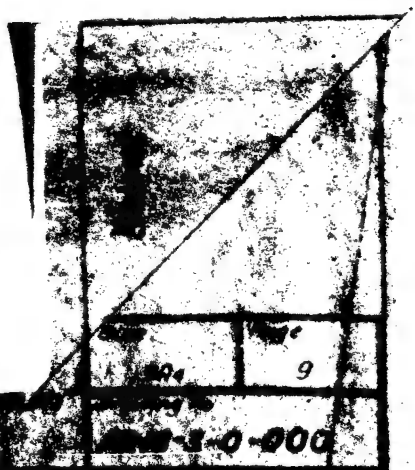
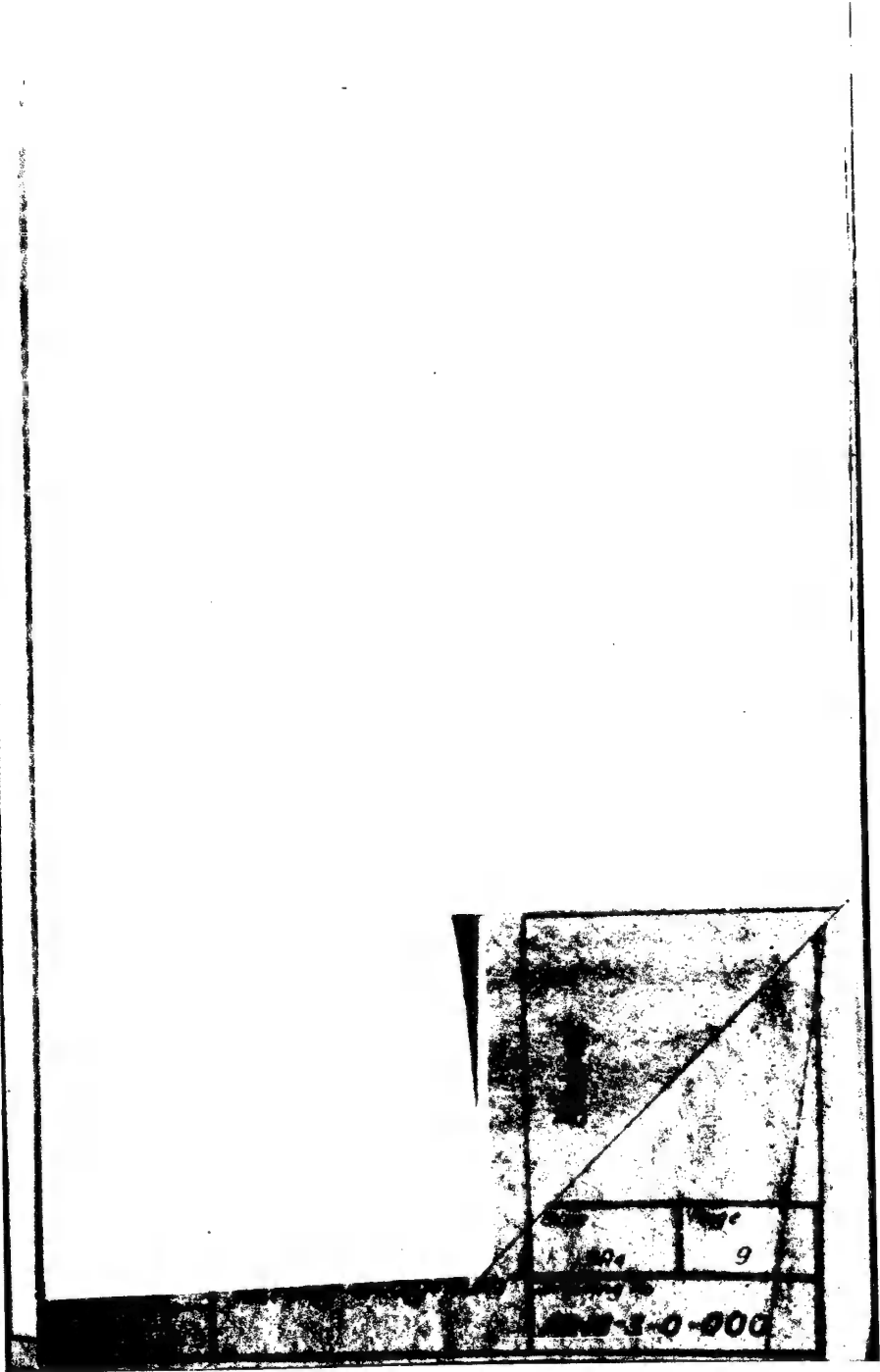
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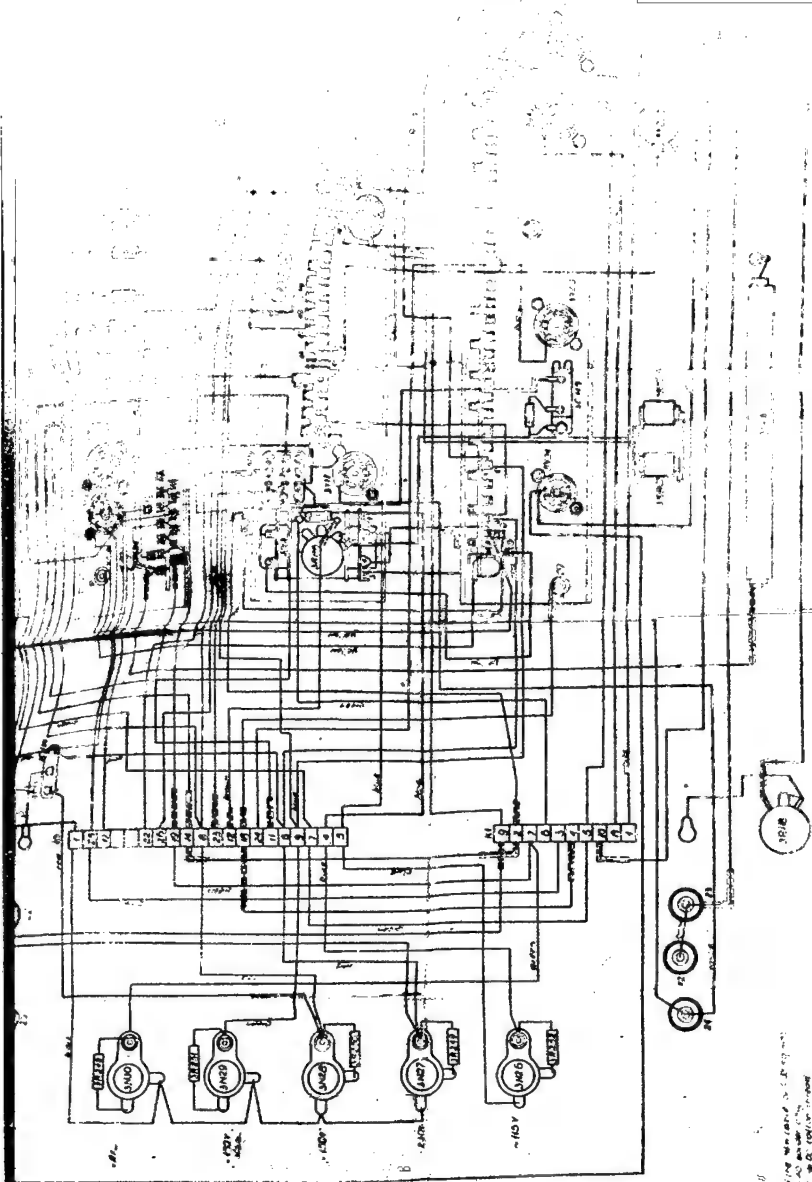


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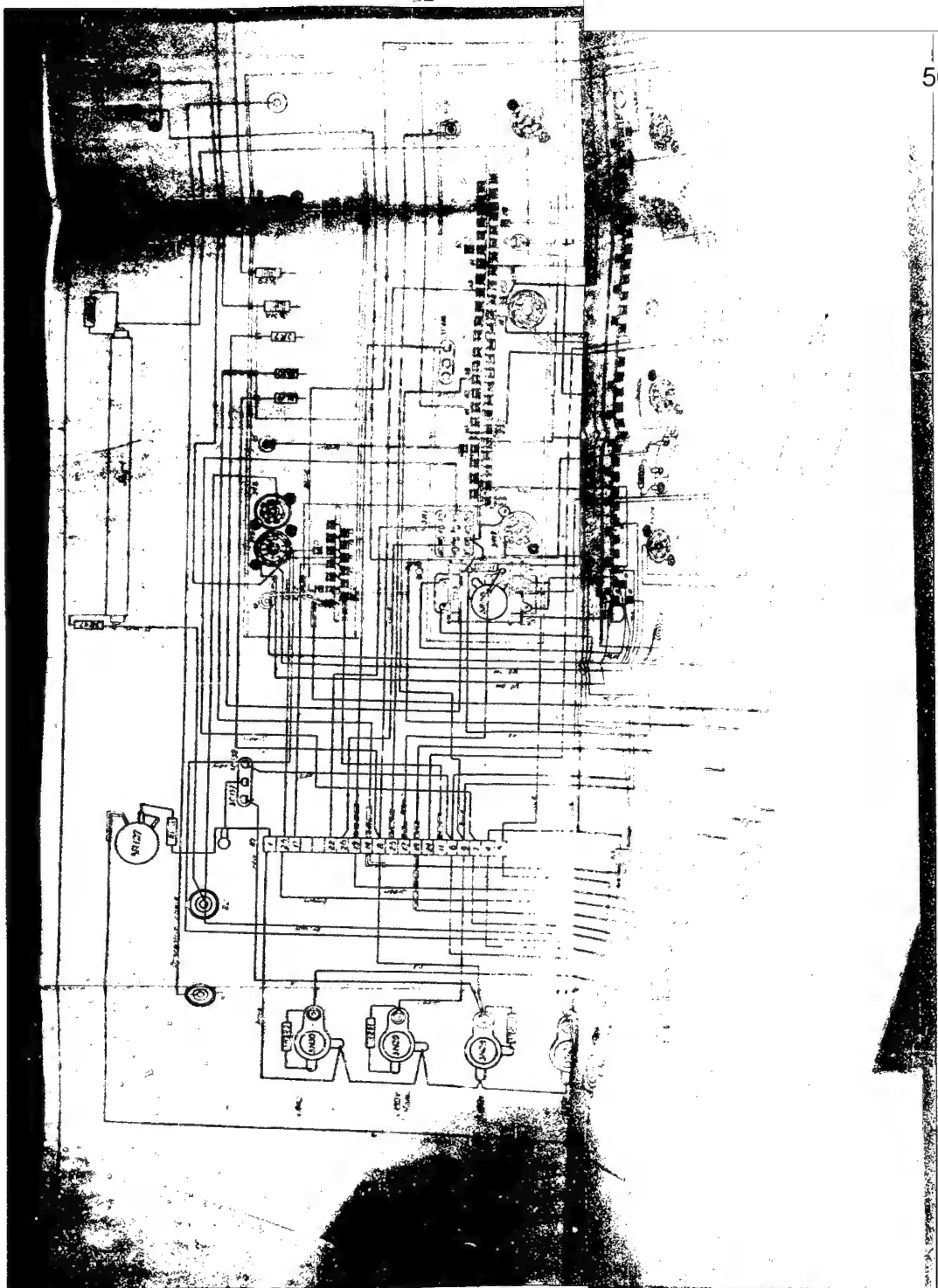
1. The purpose of this document is to provide a detailed description of the circuit shown in the diagram. The circuit is a complex electronic system designed for the processing of signals. It consists of a central horizontal bus, which is connected to various components, including five 100V 100W circular components and several rectangular components. The diagram shows the intricate wiring and connections between these components, illustrating the overall architecture of the system. The components are labeled with their respective values and ratings, providing a clear reference for the parts used in the circuit. The diagram is a technical drawing, intended for use by engineers and technicians familiar with electronic systems. It provides a visual representation of the circuit's layout and the interconnections between its various parts, allowing for a detailed understanding of its operation and function.

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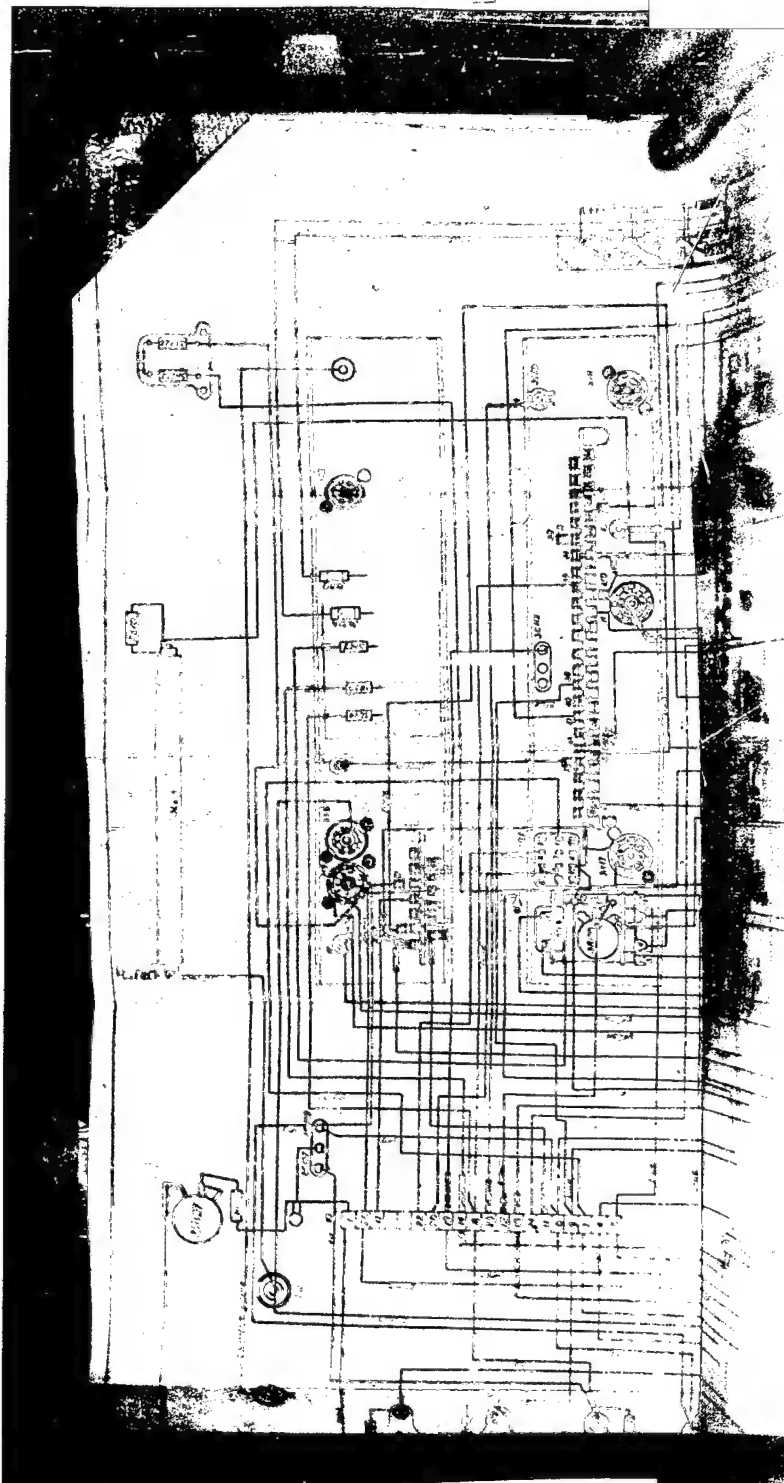
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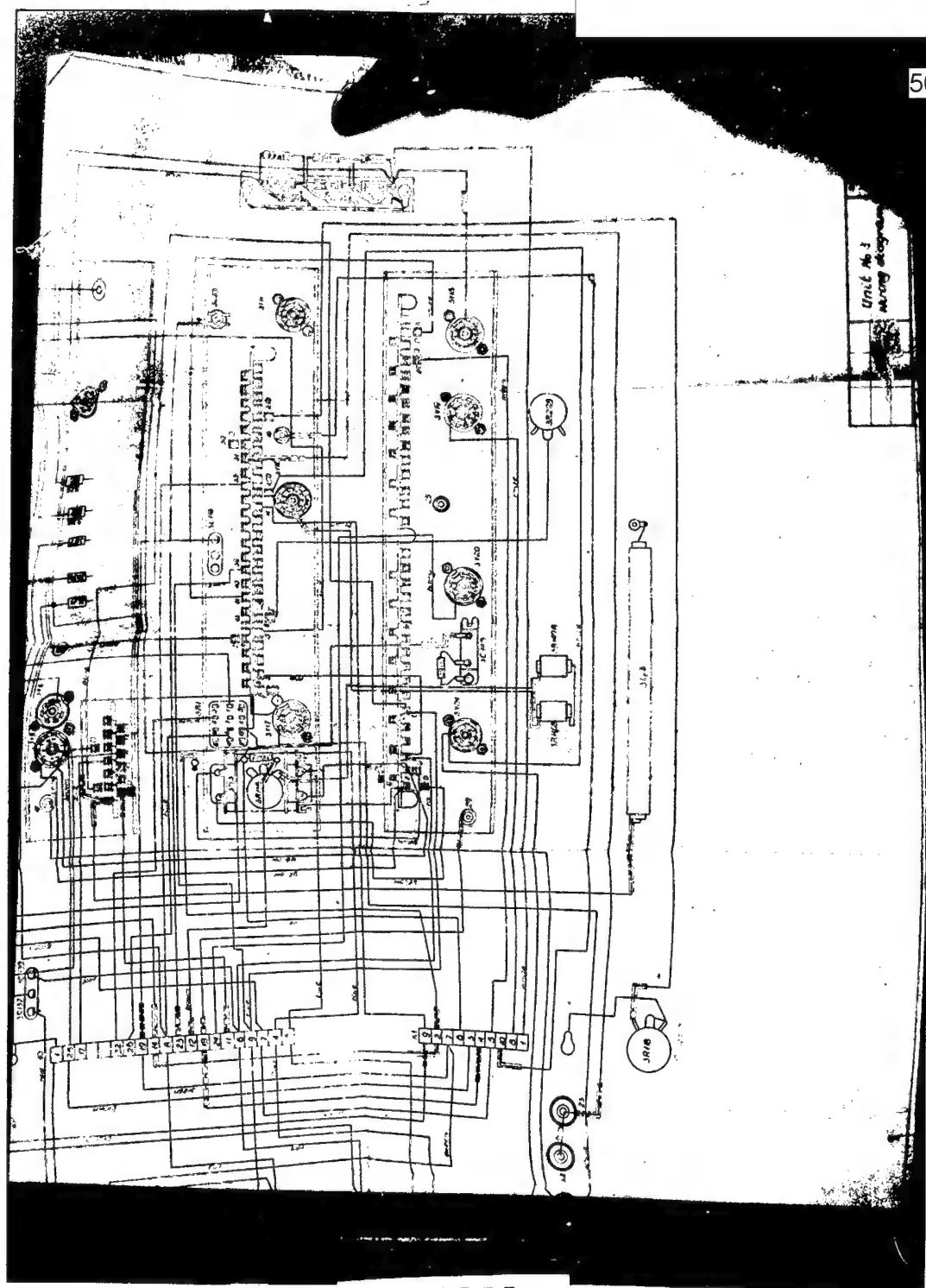
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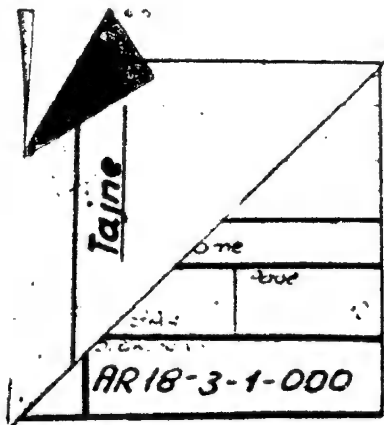
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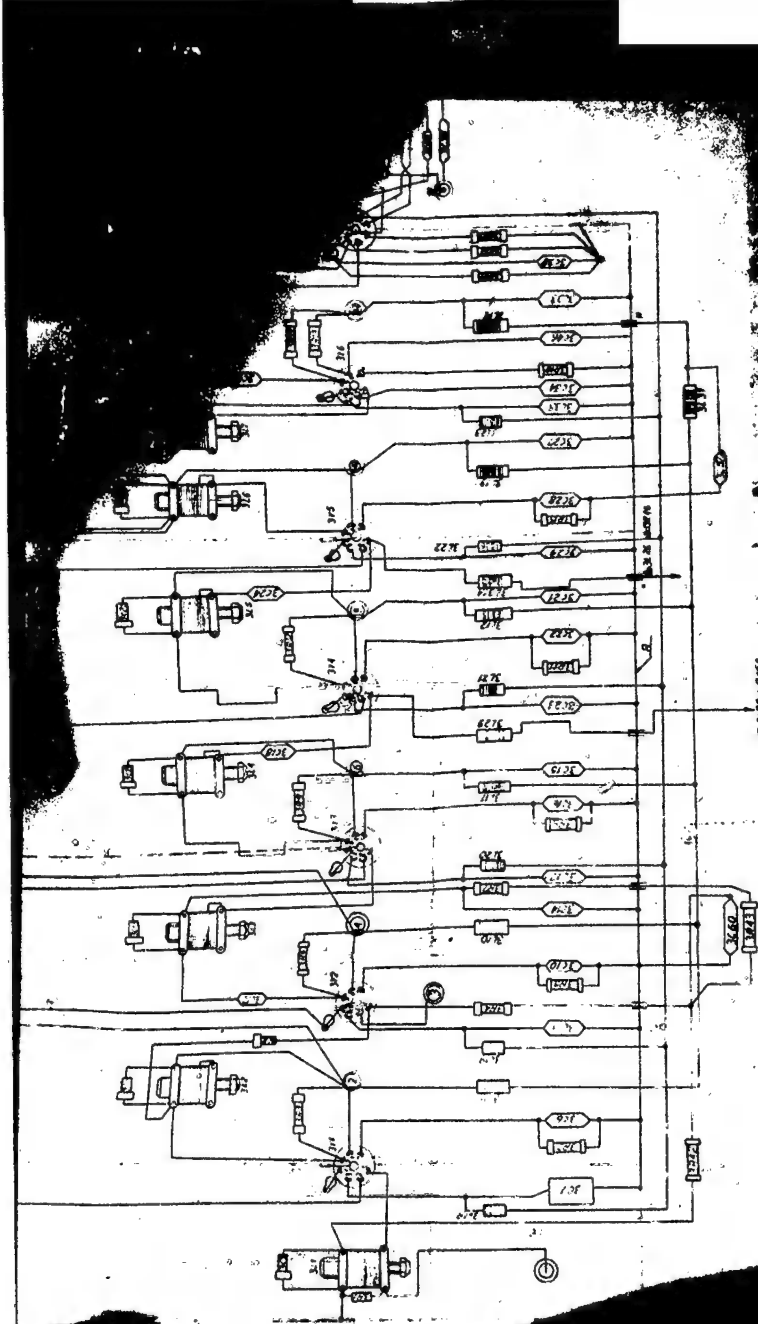
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NO FOREIGN DISSEM

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Notices

1. This drawing is a schematic diagram of the internal wiring of the device. It is not to be used for the construction of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

2. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

3. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

4. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

5. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

6. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

7. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

8. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

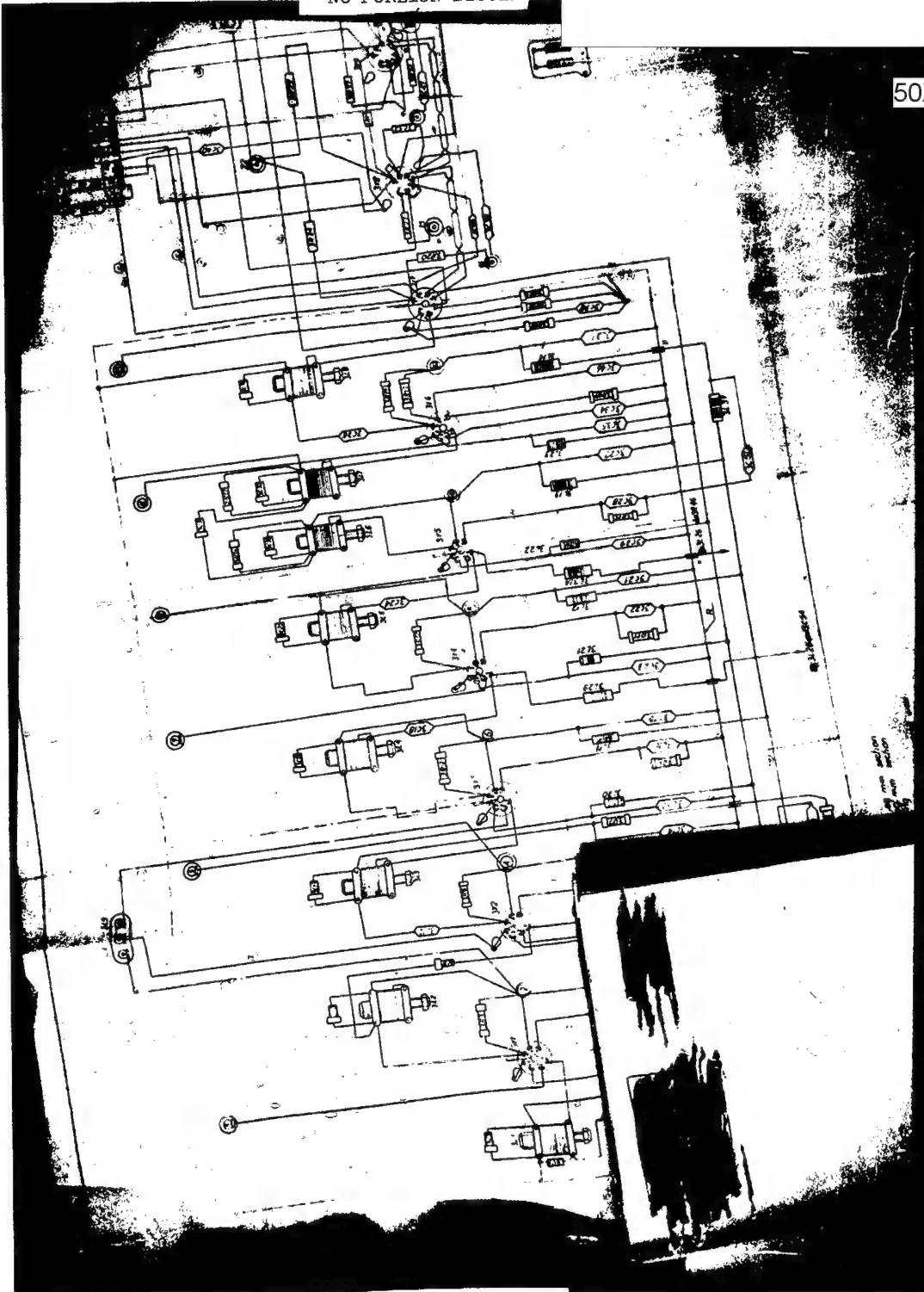
9. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

10. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device. The device is a complex electronic circuit and the wiring is critical to its operation. The wiring is shown in a simplified manner and does not represent the actual physical layout of the device.

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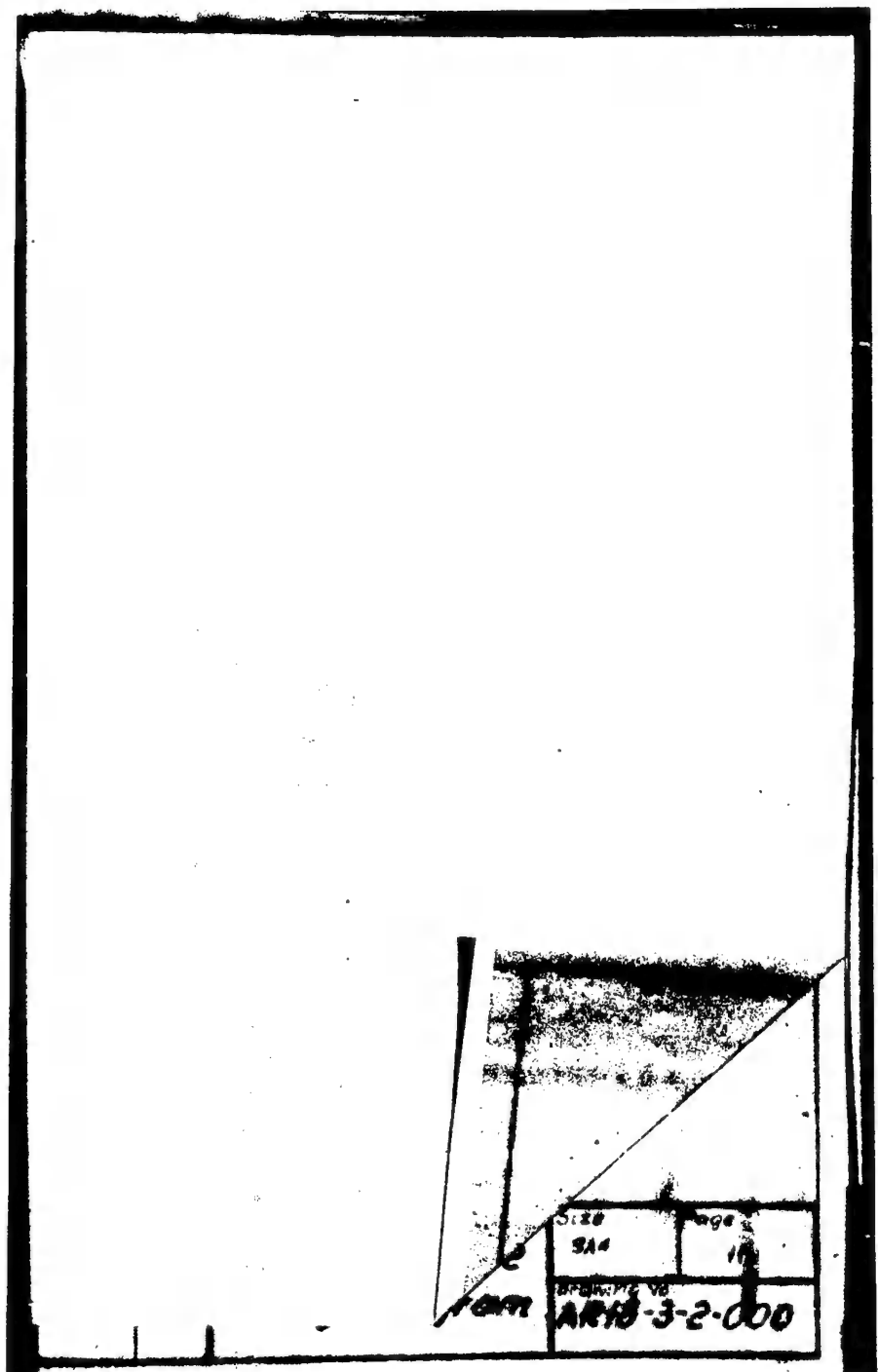
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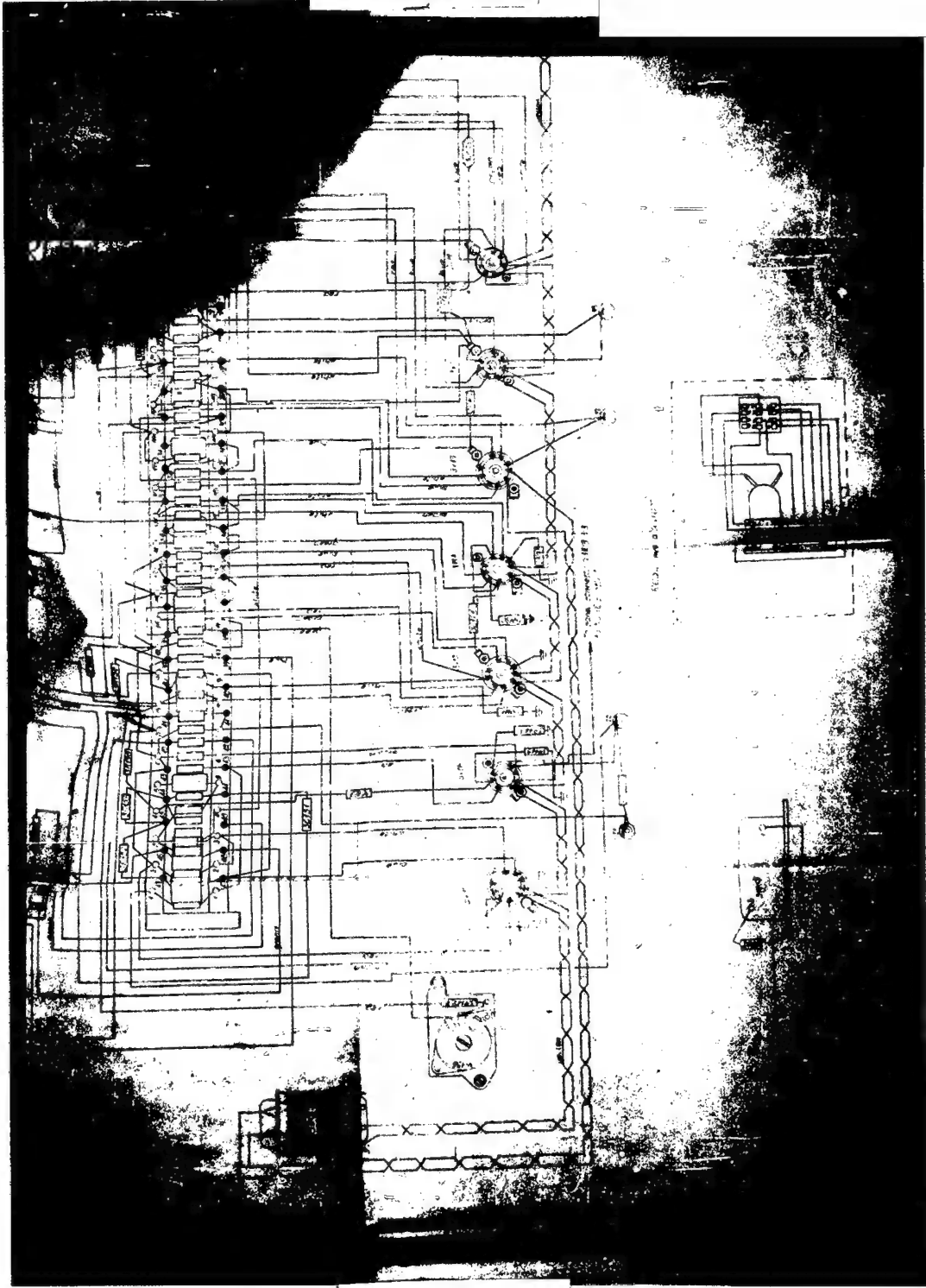
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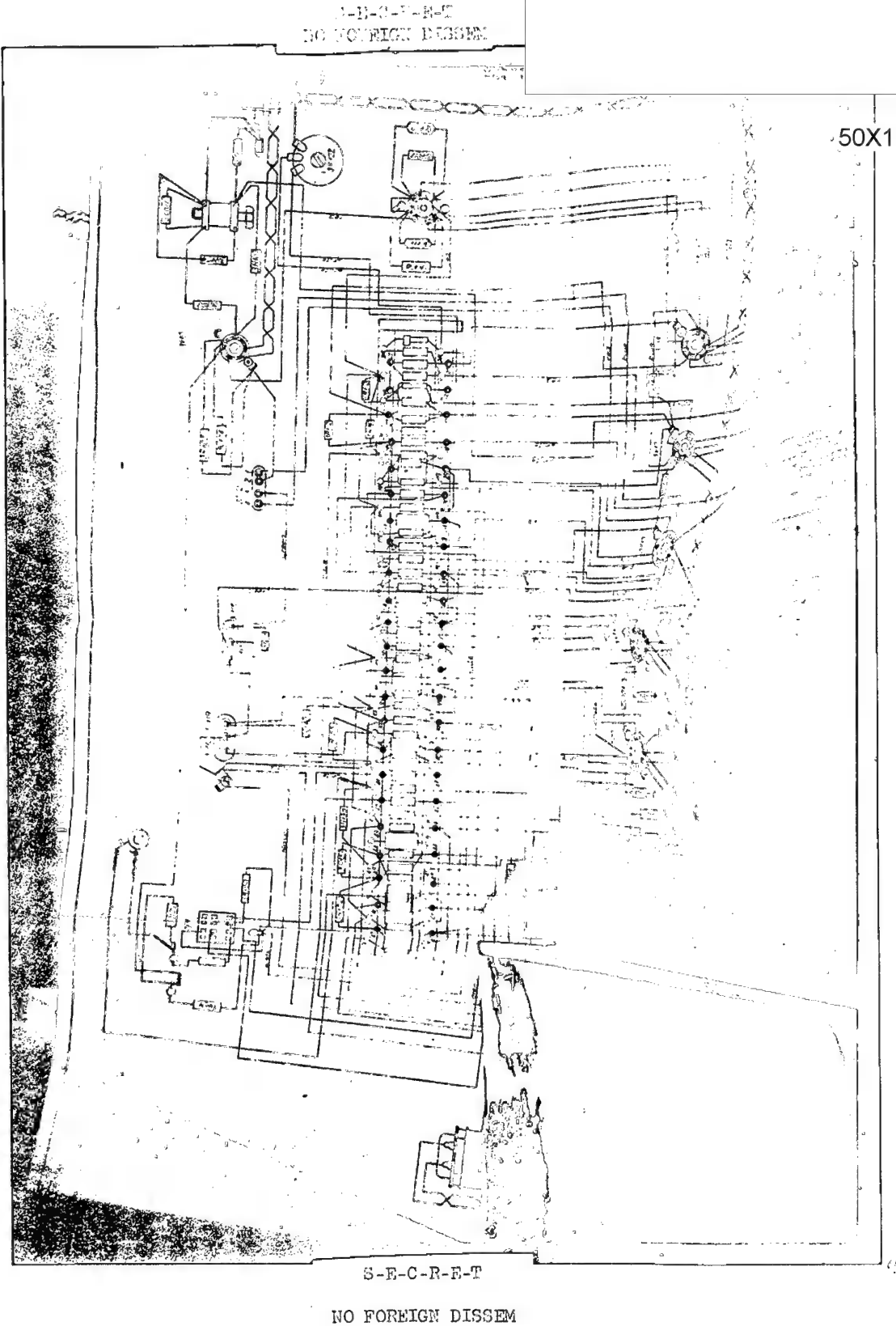
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NO FOREIGN DISSEM



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NOTICES

1. The following information is being furnished to you for your information only. It is not to be distributed outside your organization.

2. The information is being furnished to you for your information only. It is not to be distributed outside your organization.

3. The information is being furnished to you for your information only. It is not to be distributed outside your organization.

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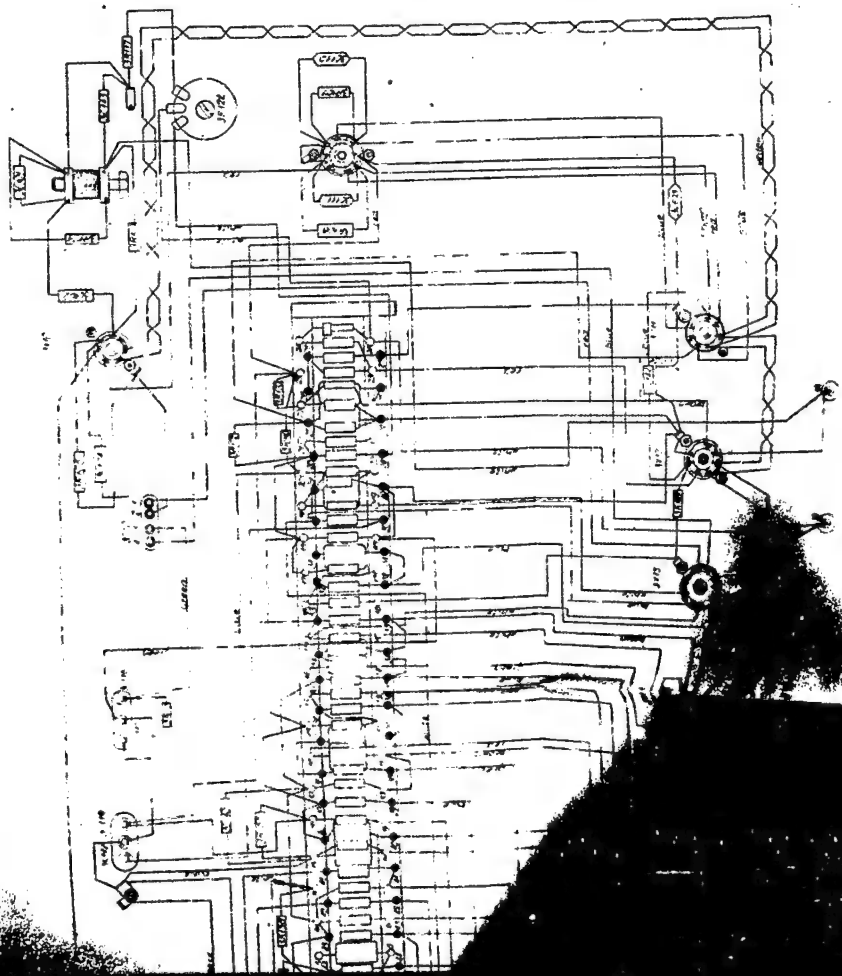
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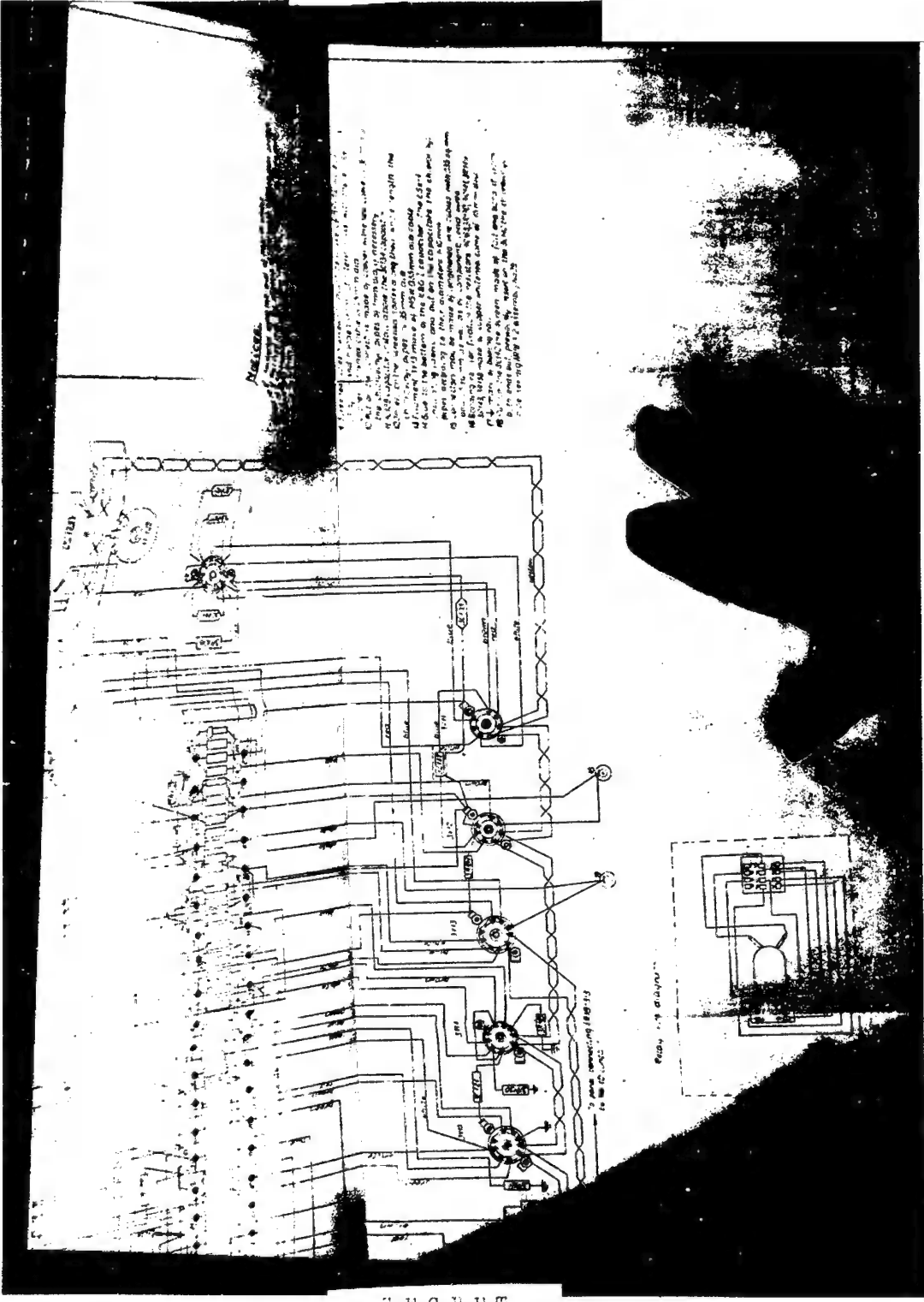
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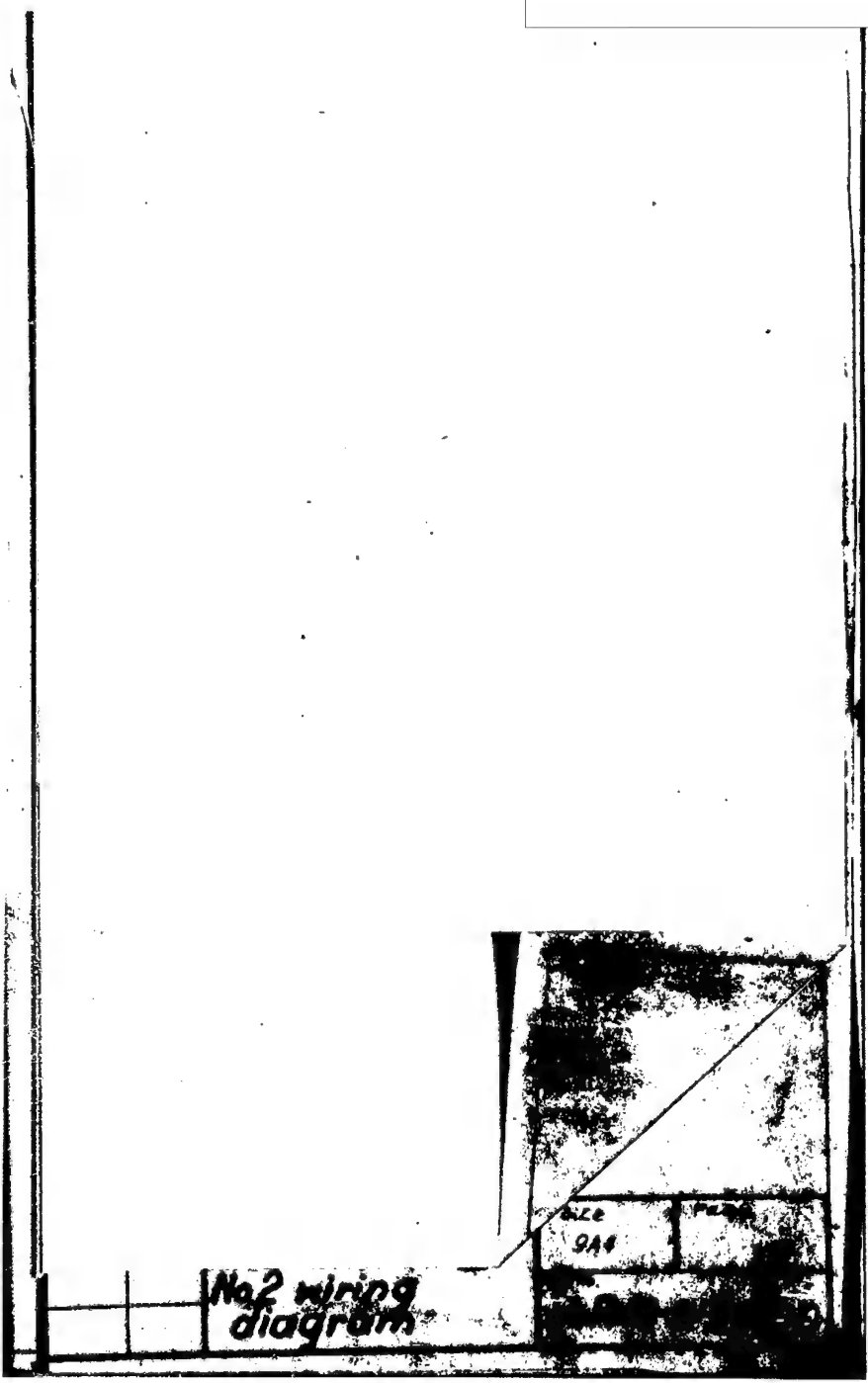
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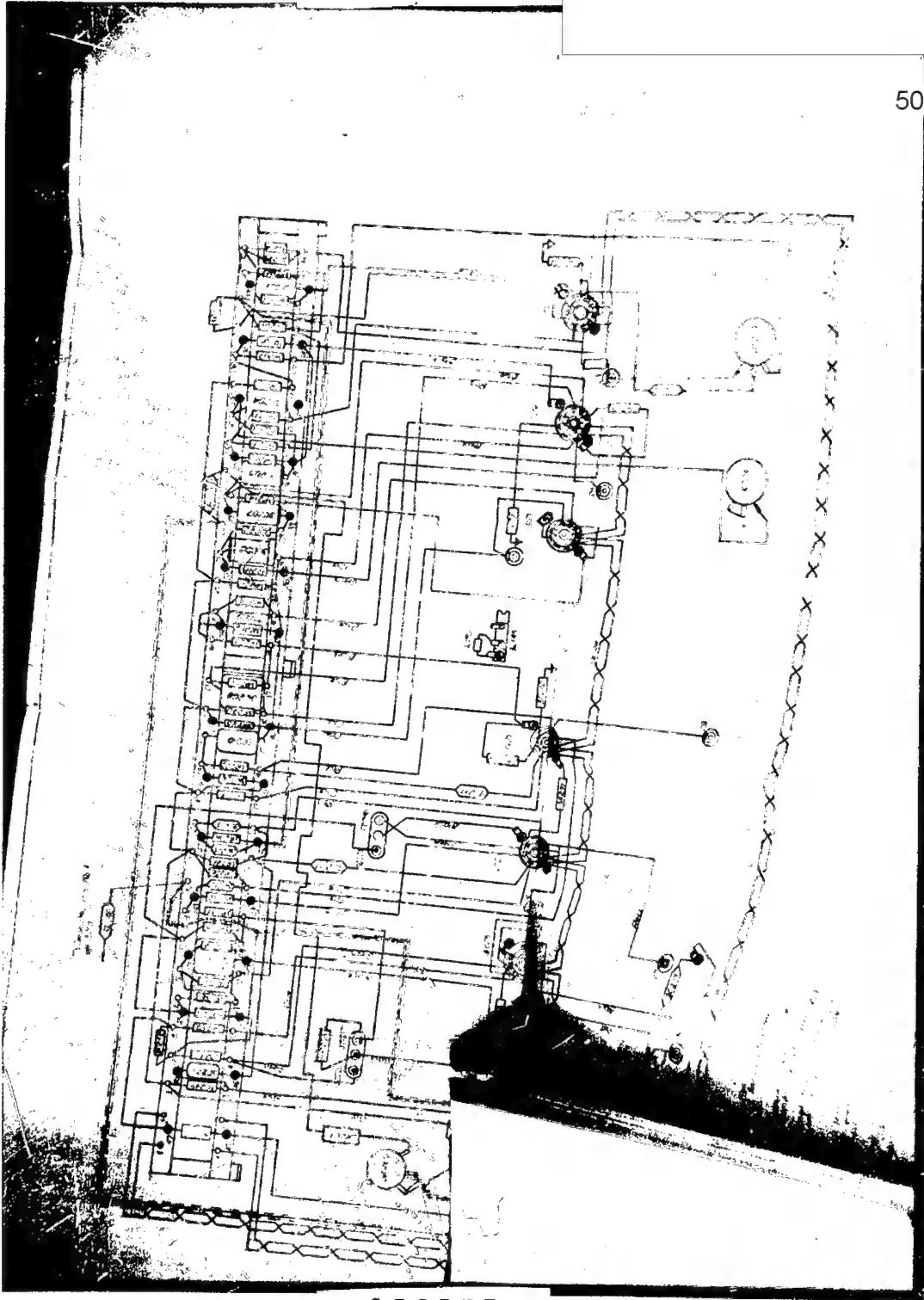
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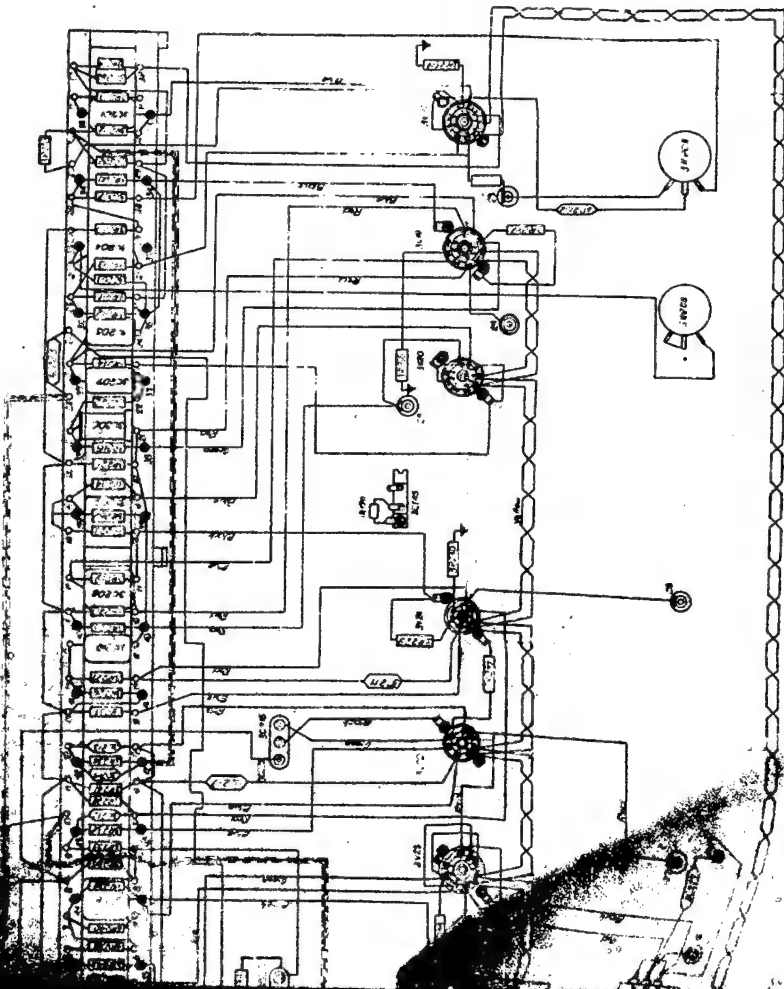
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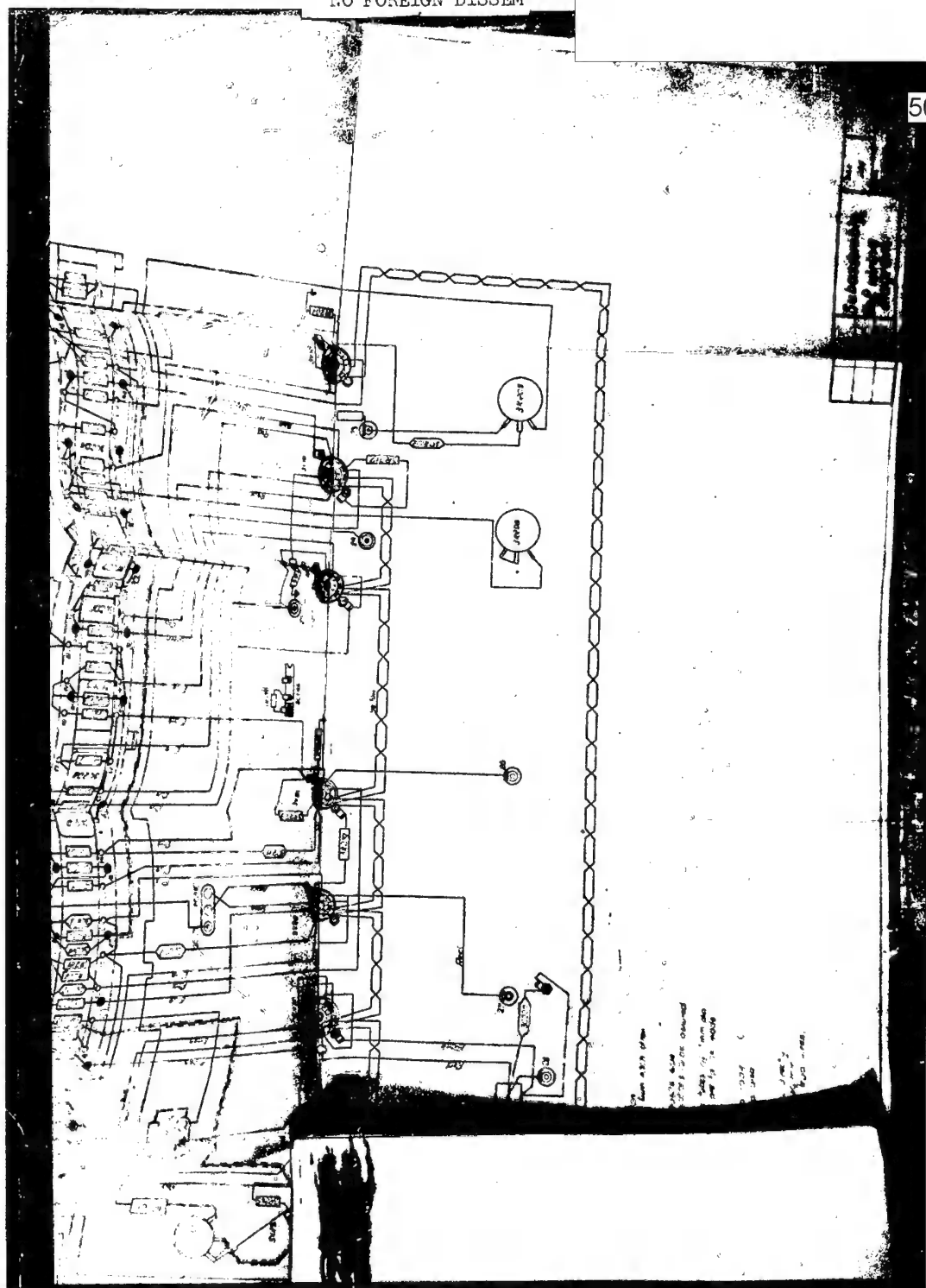
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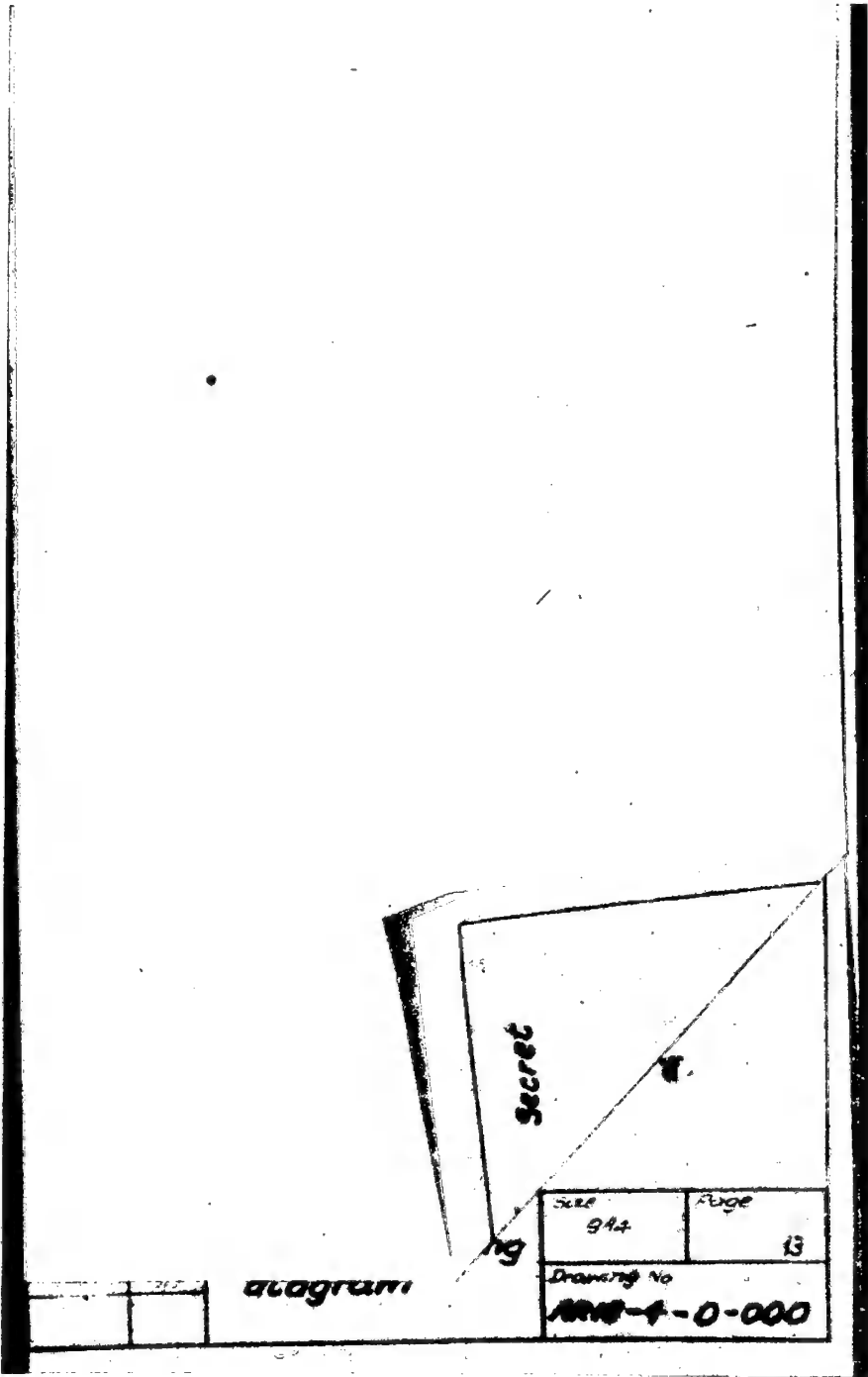
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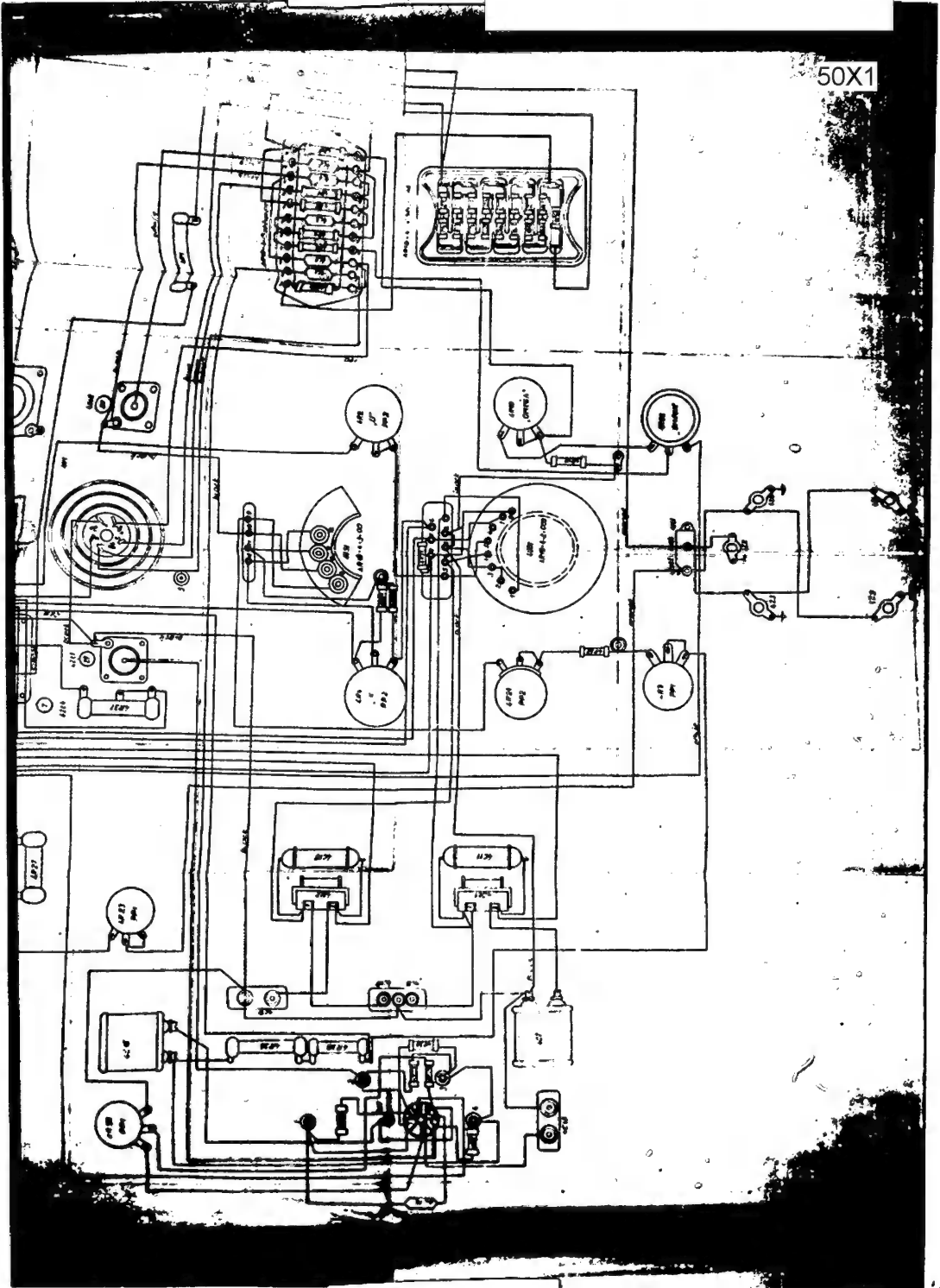
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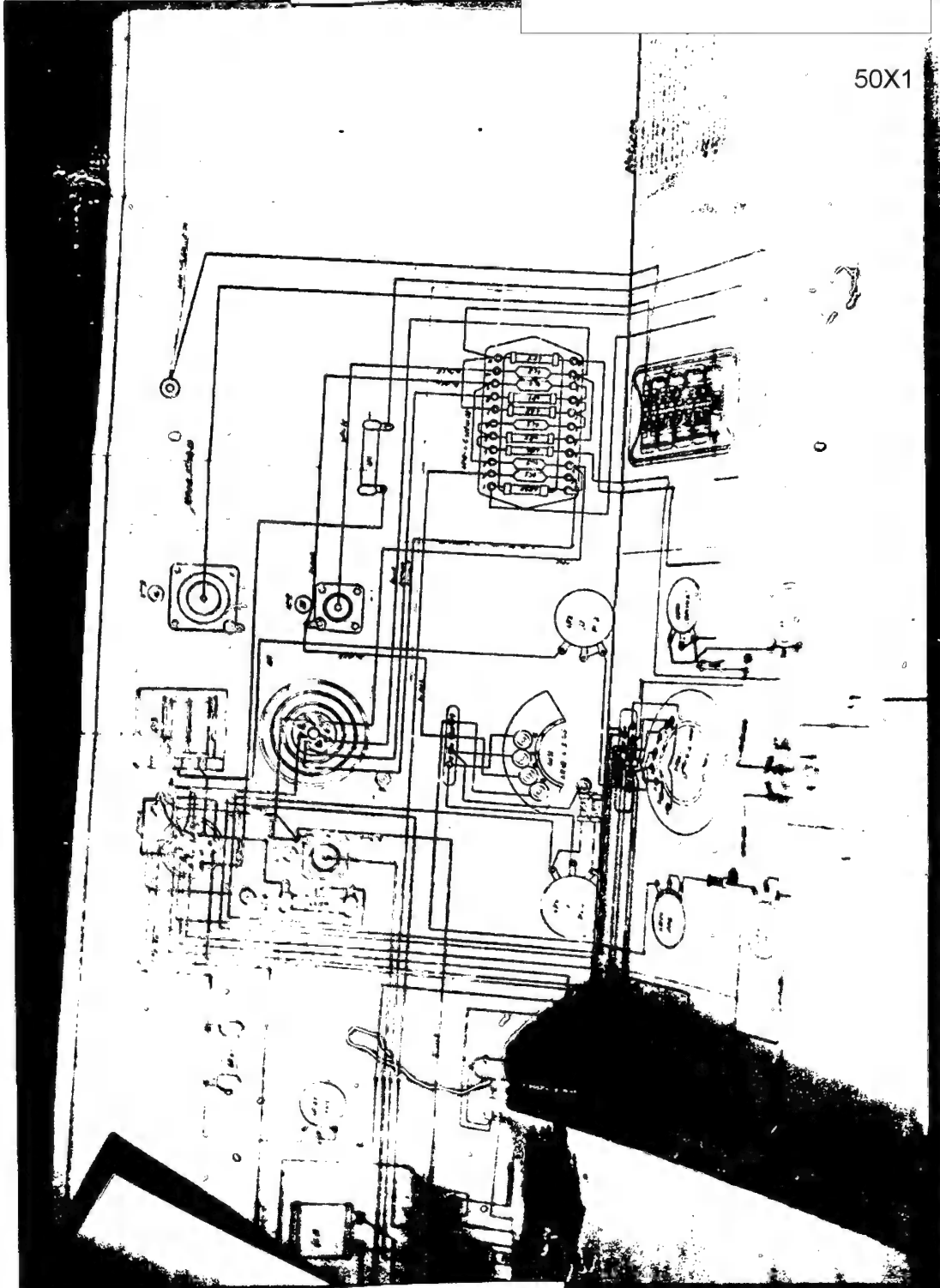


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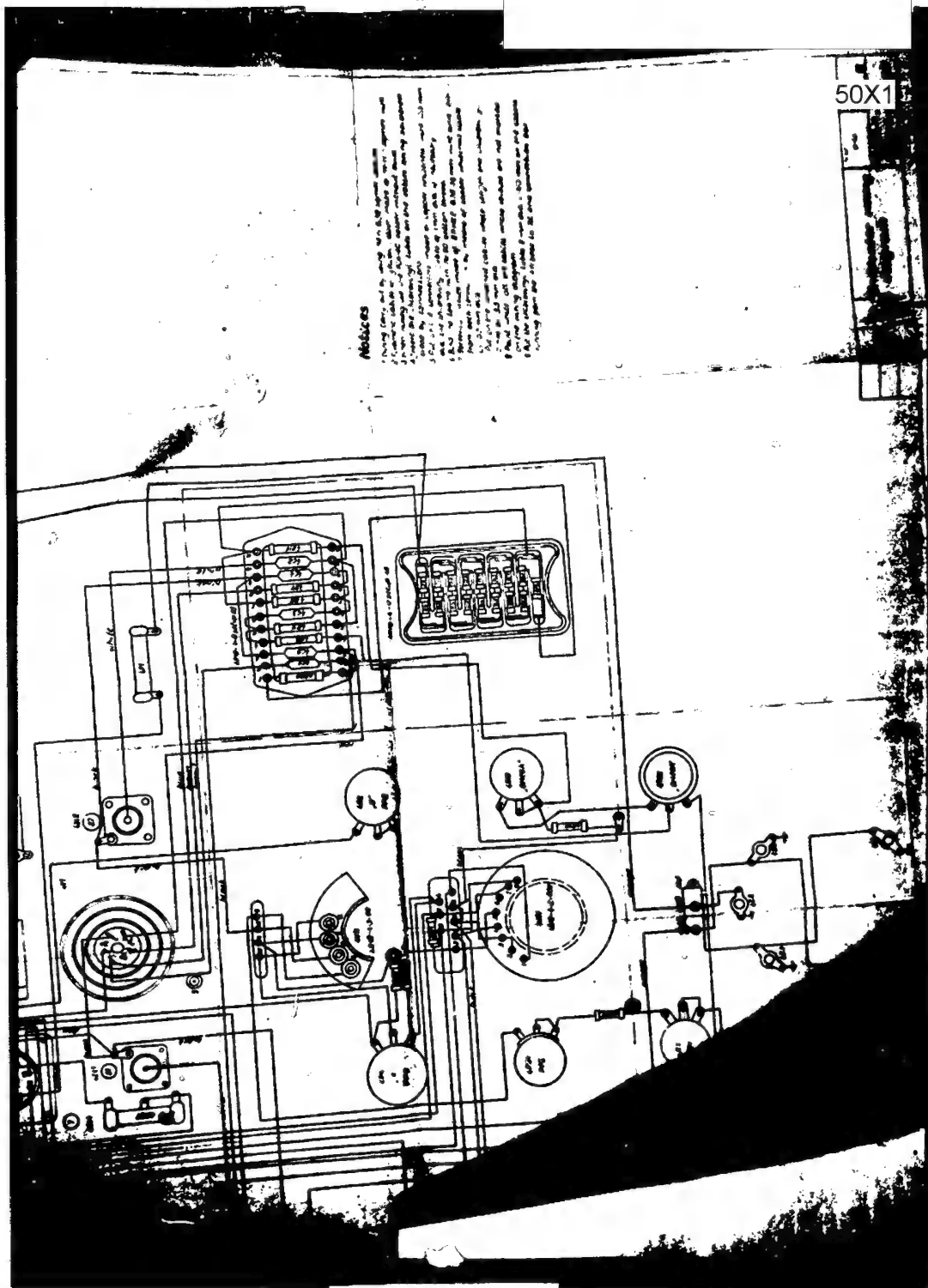
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**NOTES**

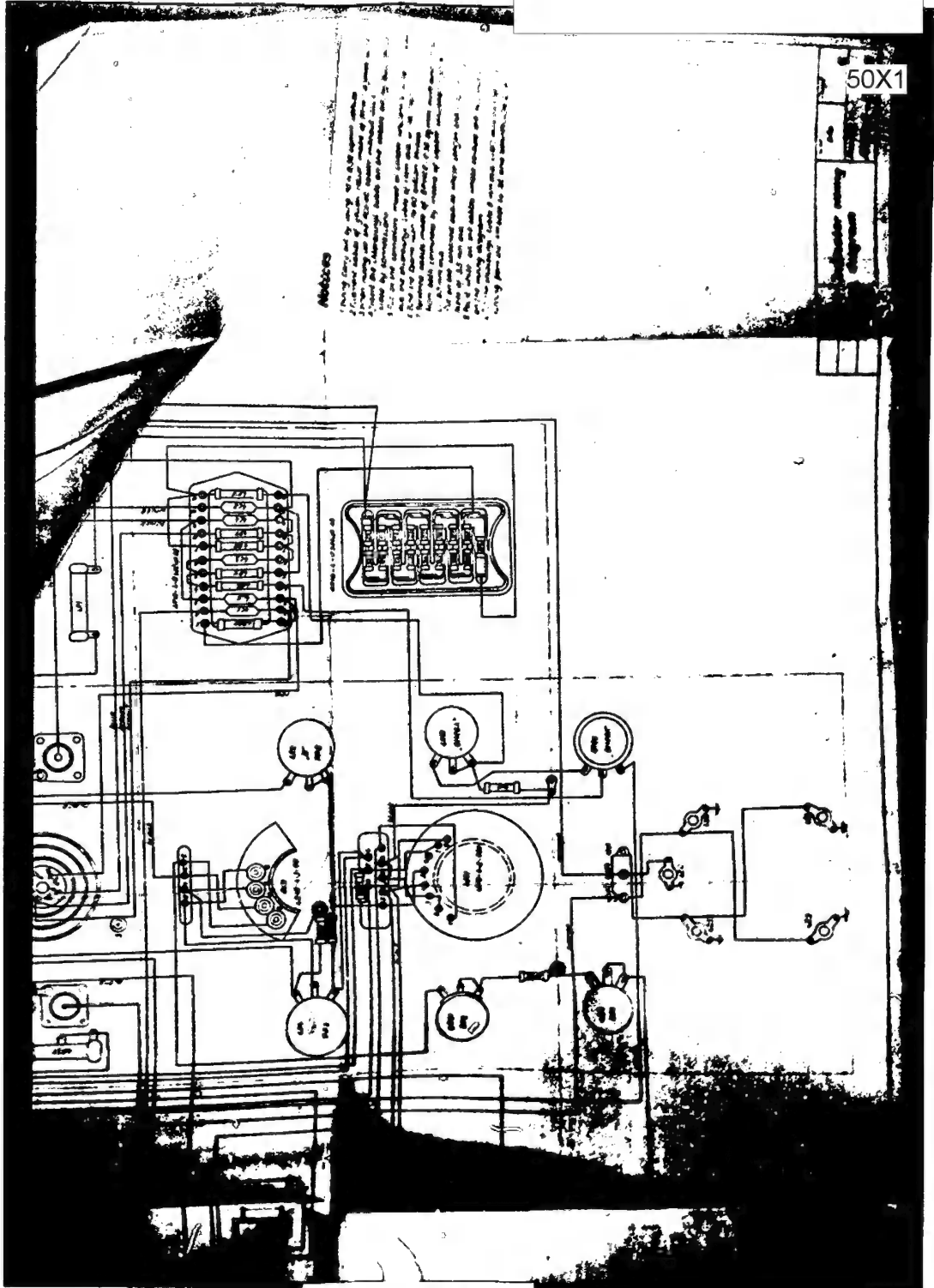
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3. The circuit was found to be in good operating condition.  
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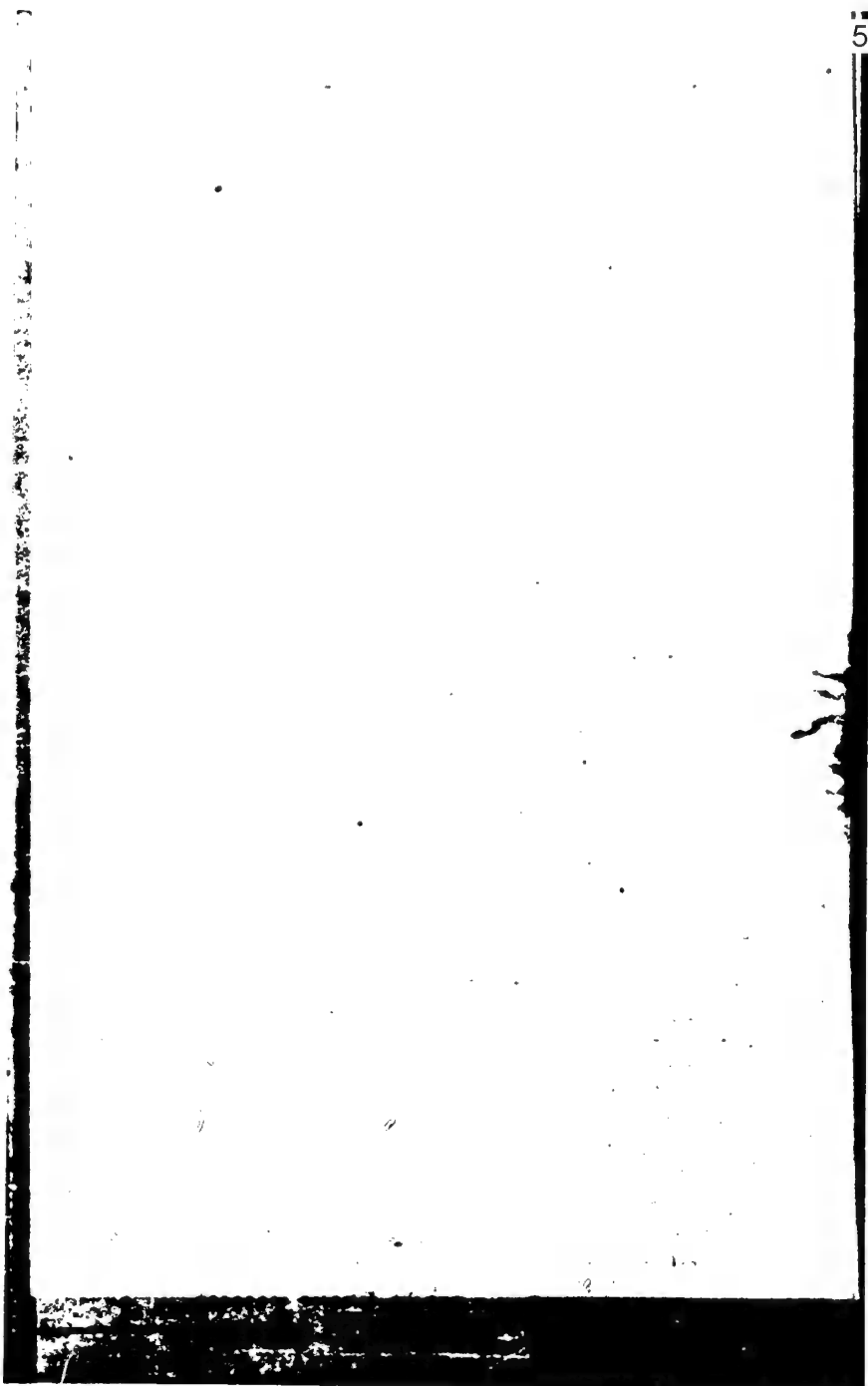


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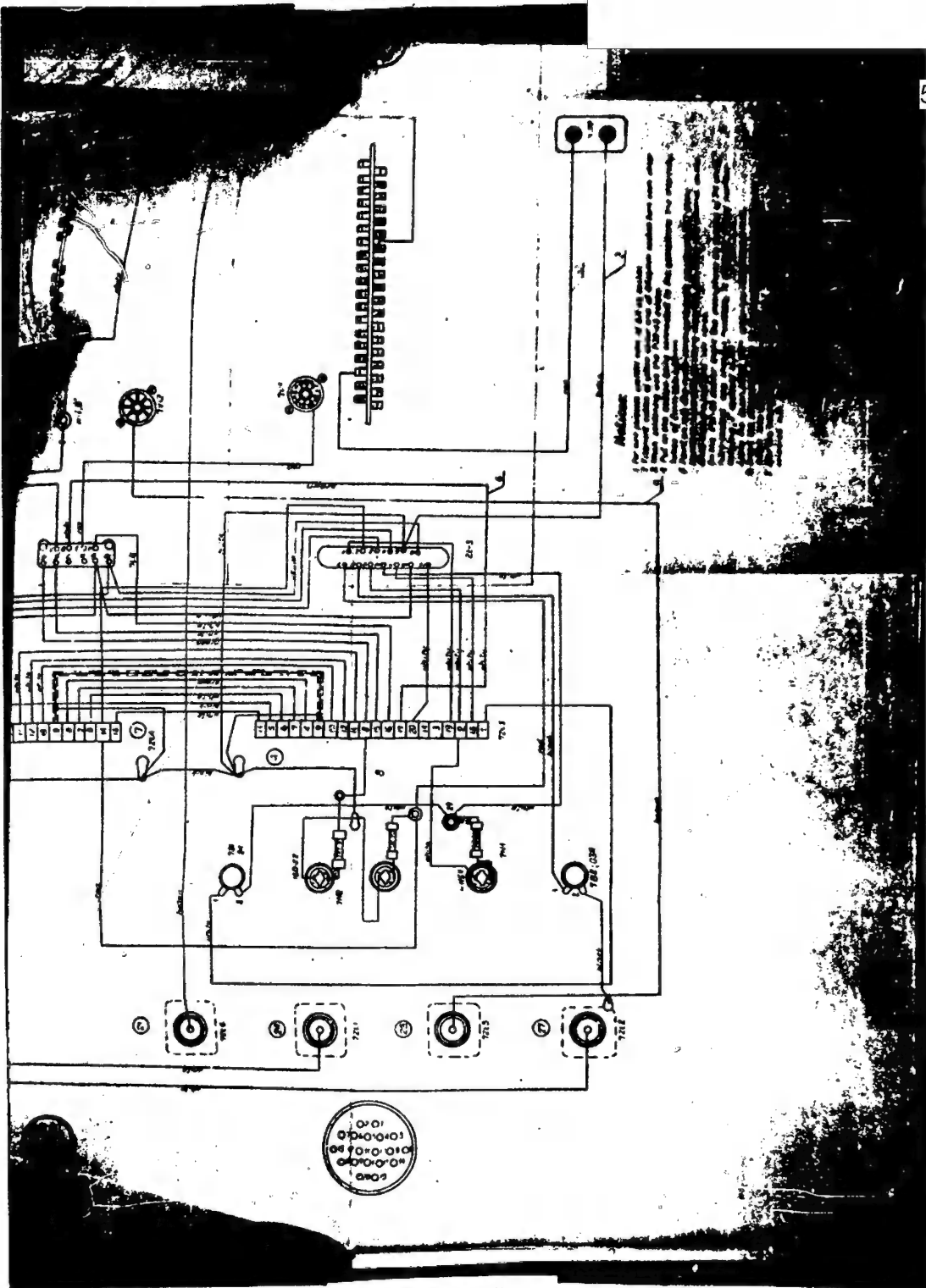
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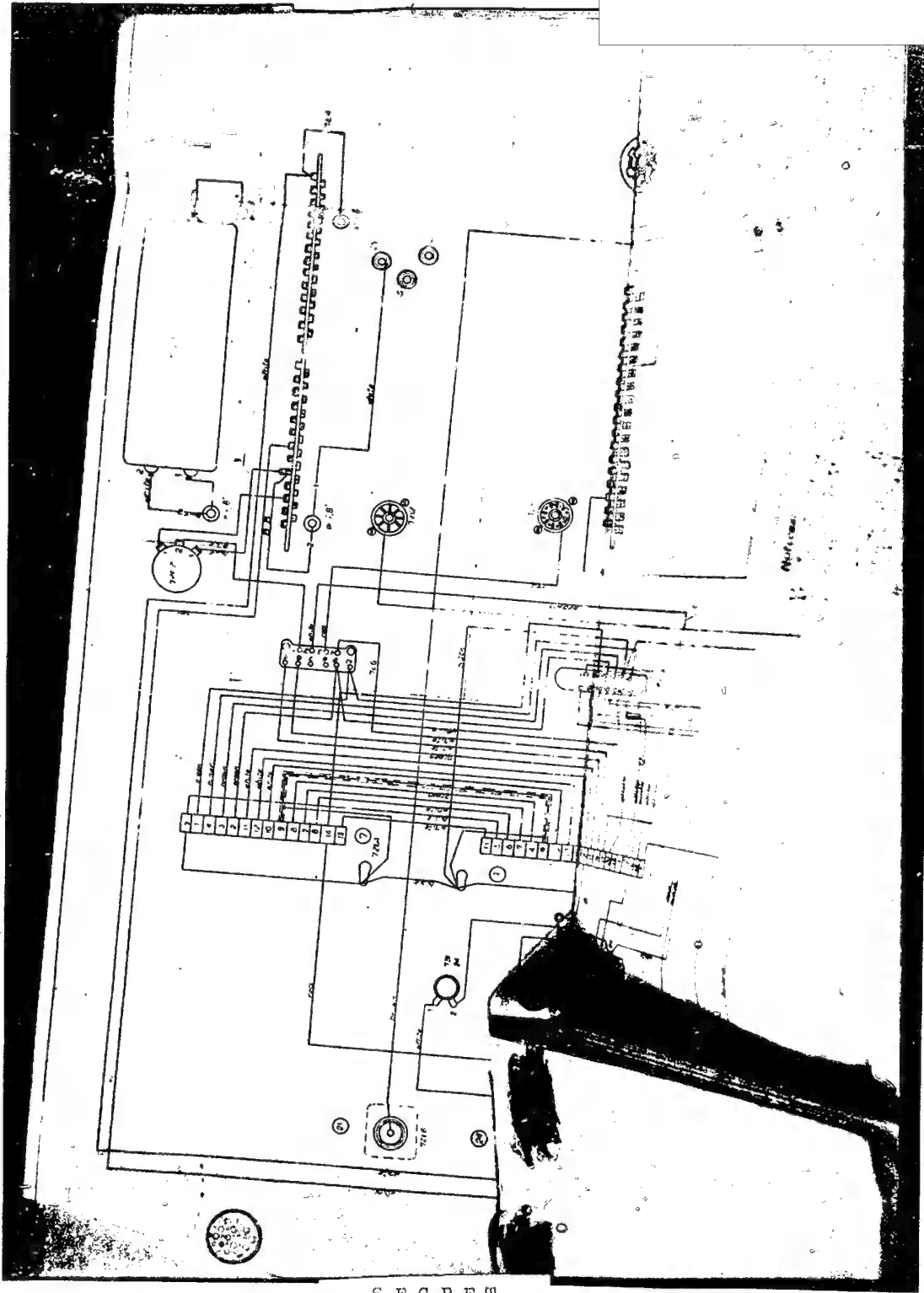


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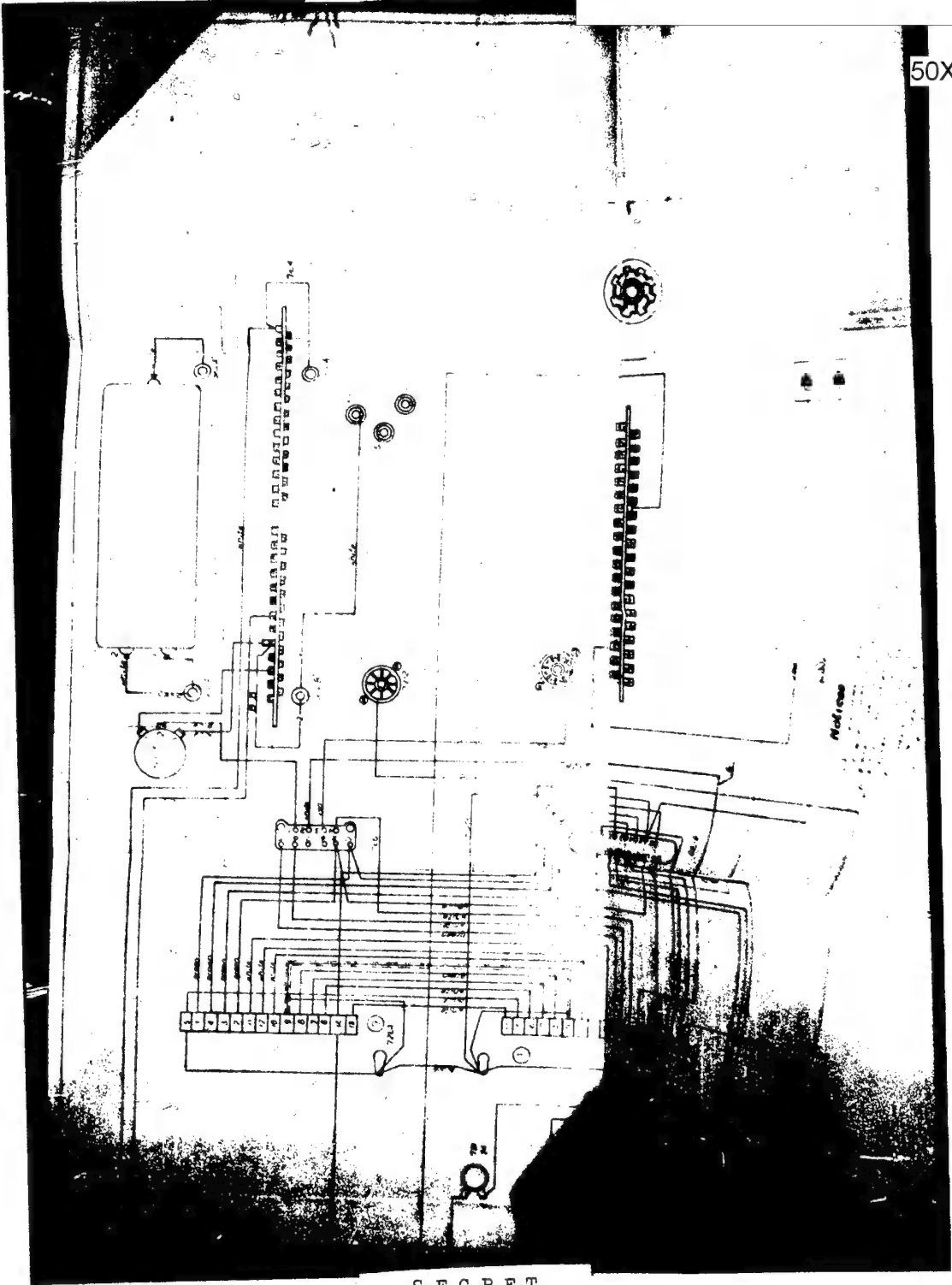
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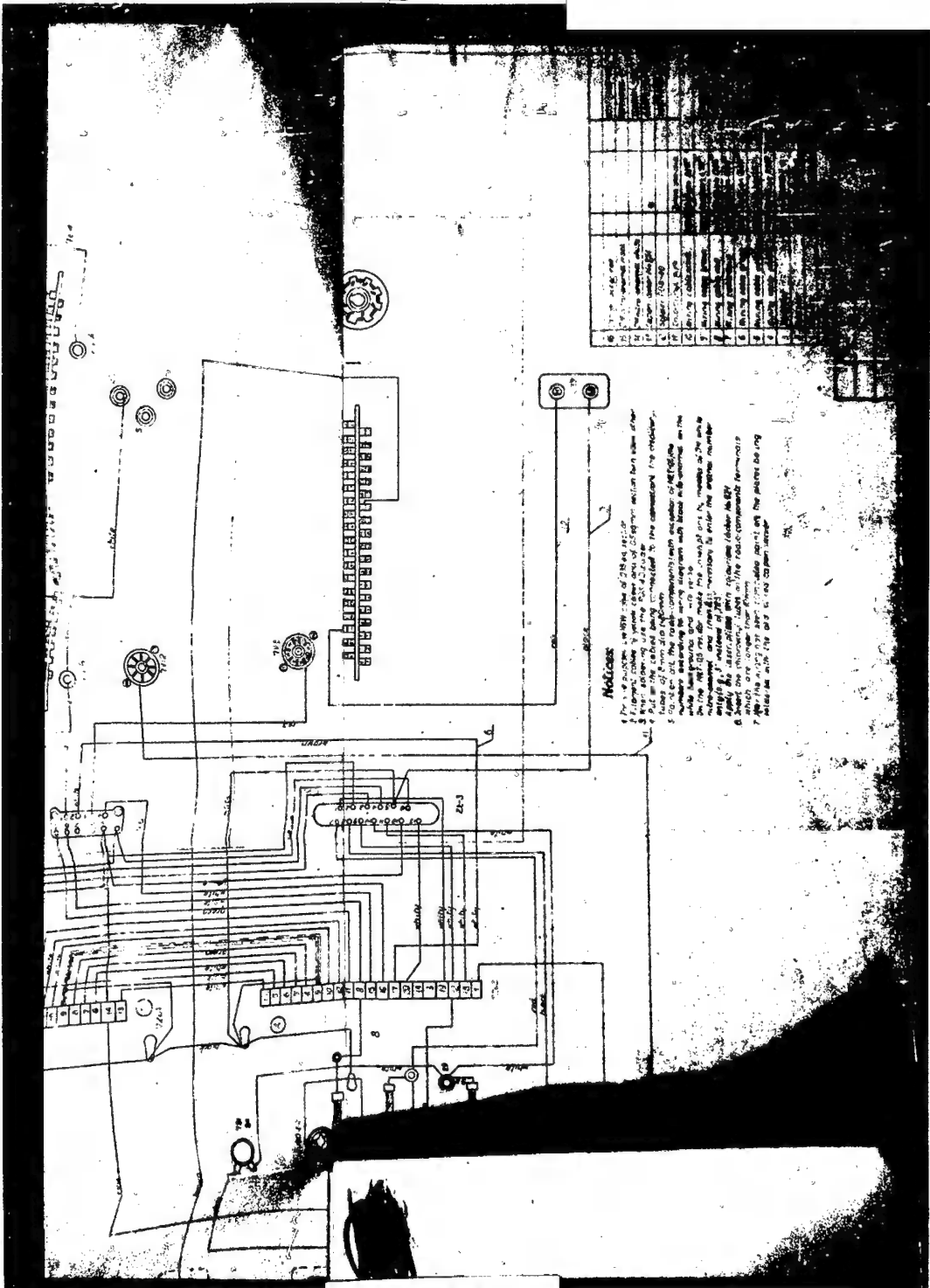
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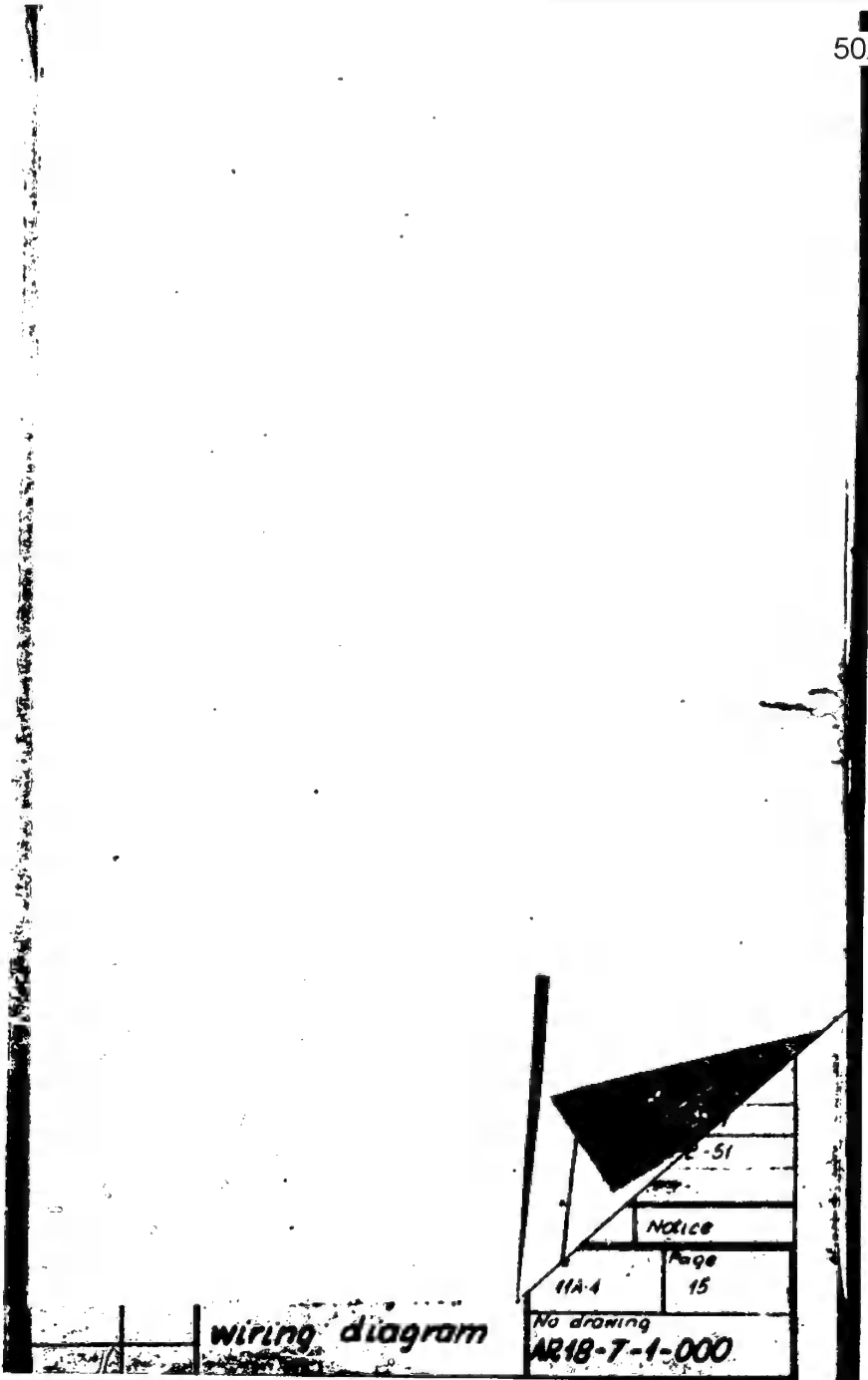
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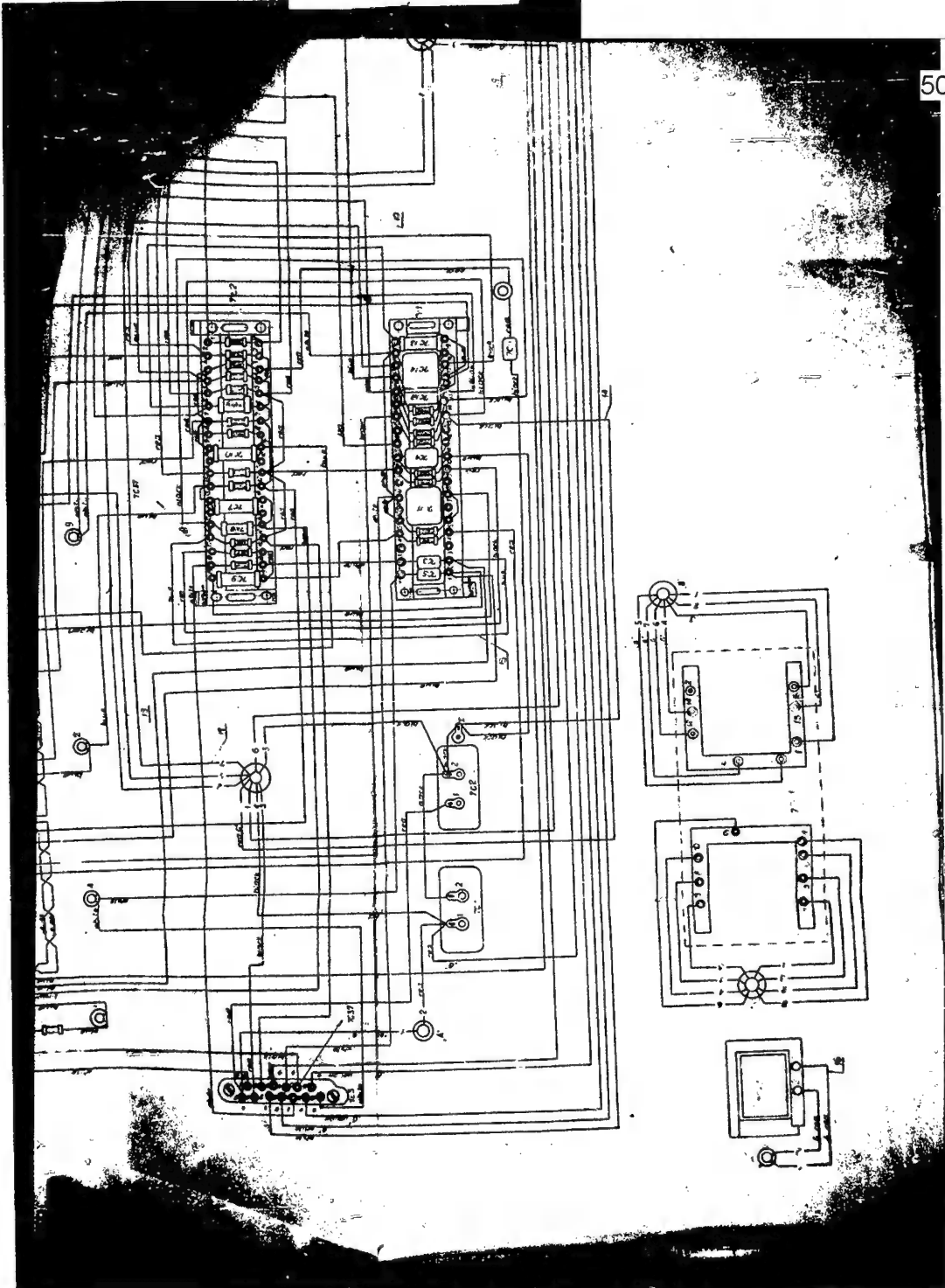


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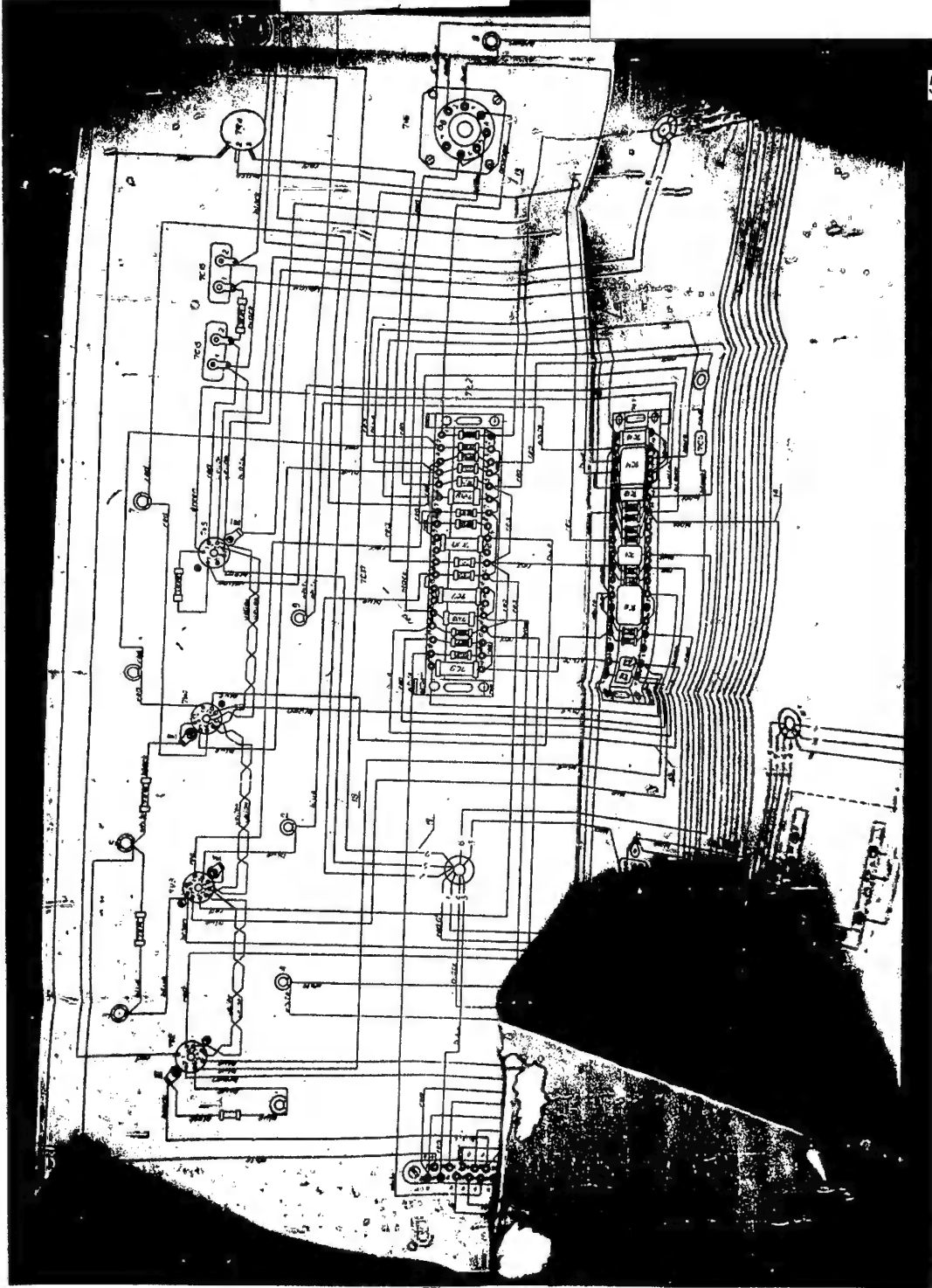


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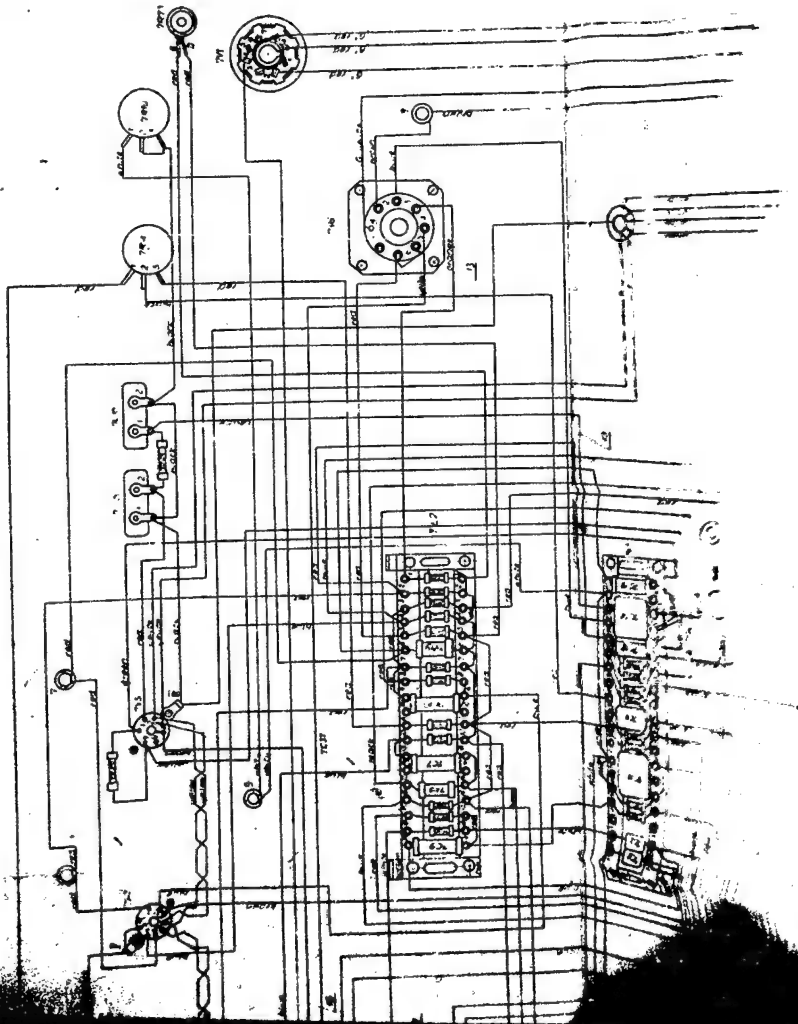
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NOTES:

1. The wiring diagram and the wiring diagram are to be used for the purpose of identifying the components and the connections of the system. The wiring diagram is to be used for the purpose of identifying the components and the connections of the system. The wiring diagram is to be used for the purpose of identifying the components and the connections of the system.



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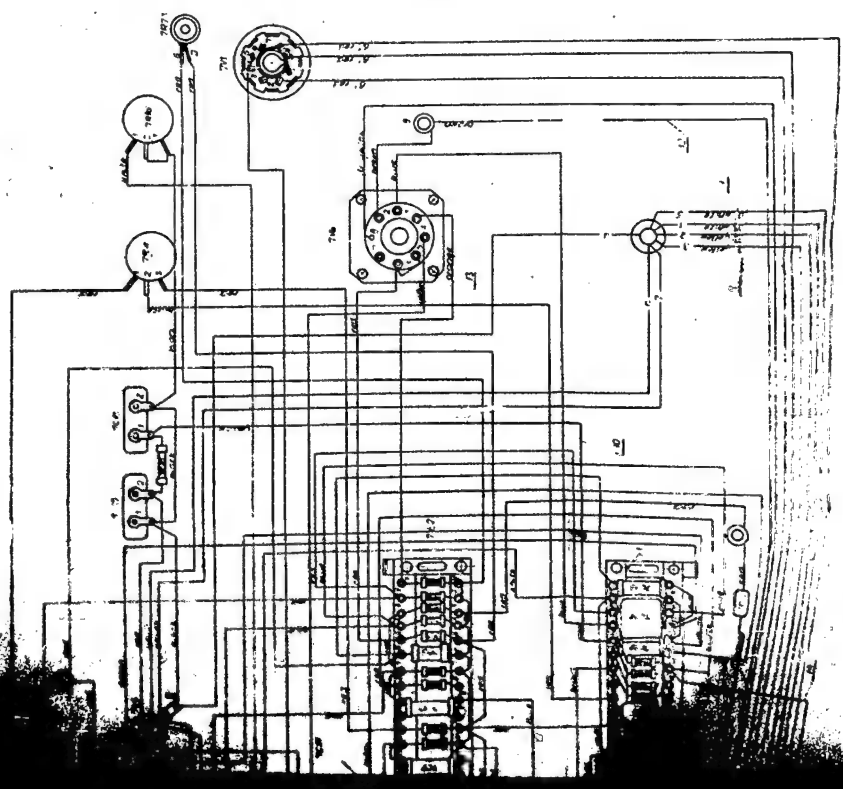
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**NOTES:**

- 1. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 2. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 3. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 4. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 5. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 6. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 7. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 8. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 9. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.
- 10. The wiring diagram is for the HDS-1000, which is a 1000-watt, 100-volt, 60-hertz, single-phase, AC power supply.

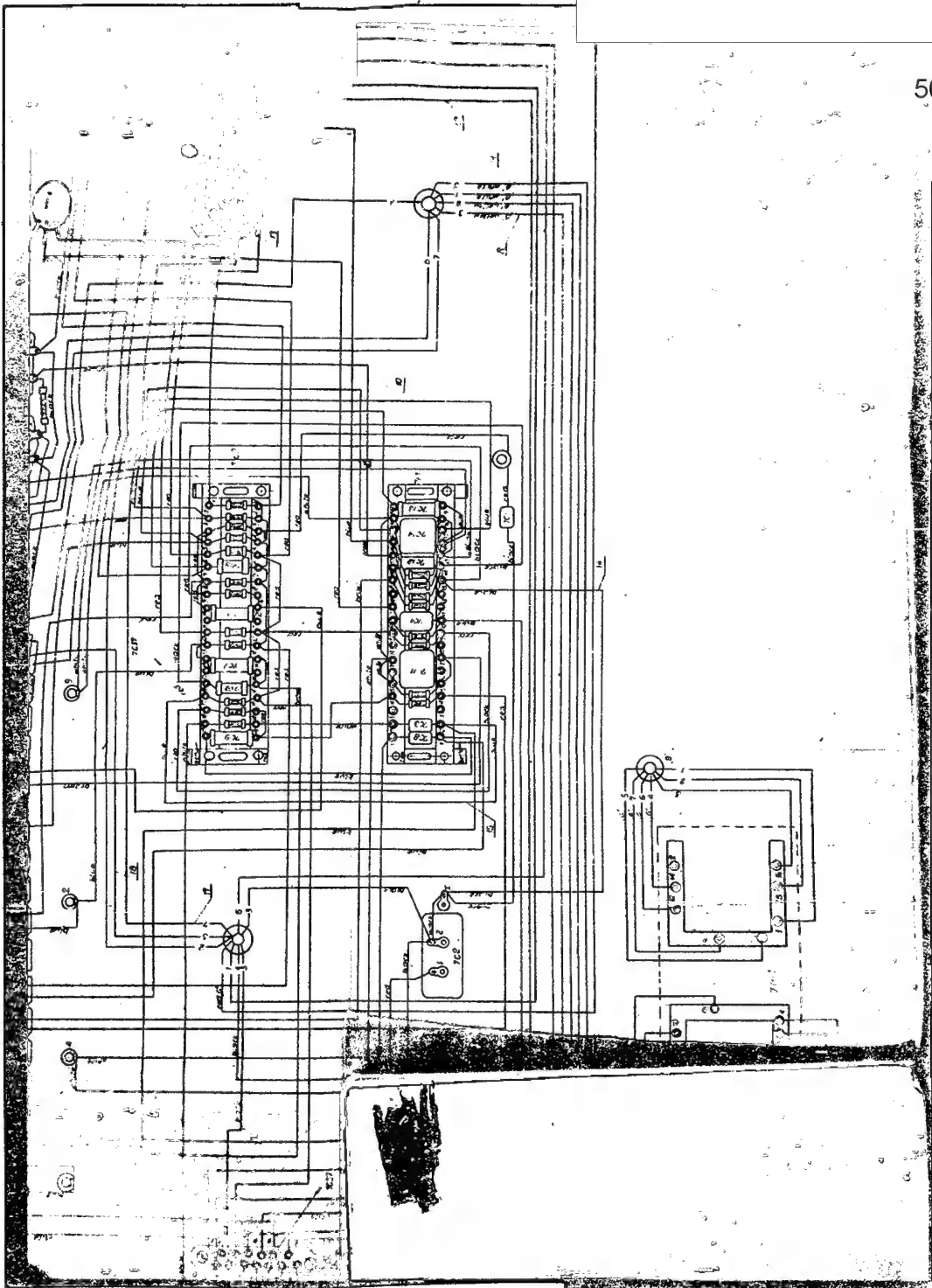


Part No.	Description	Quantity
1000	Power Supply Unit	1
1001	Transformer	1
1002	Capacitor	1
1003	Relay	1
1004	Switch	1
1005	Wiring Harness	1
1006	Terminal Block	1
1007	Connector	1
1008	Insulator	1
1009	Mounting Bracket	1
1010	Wiring Diagram	1

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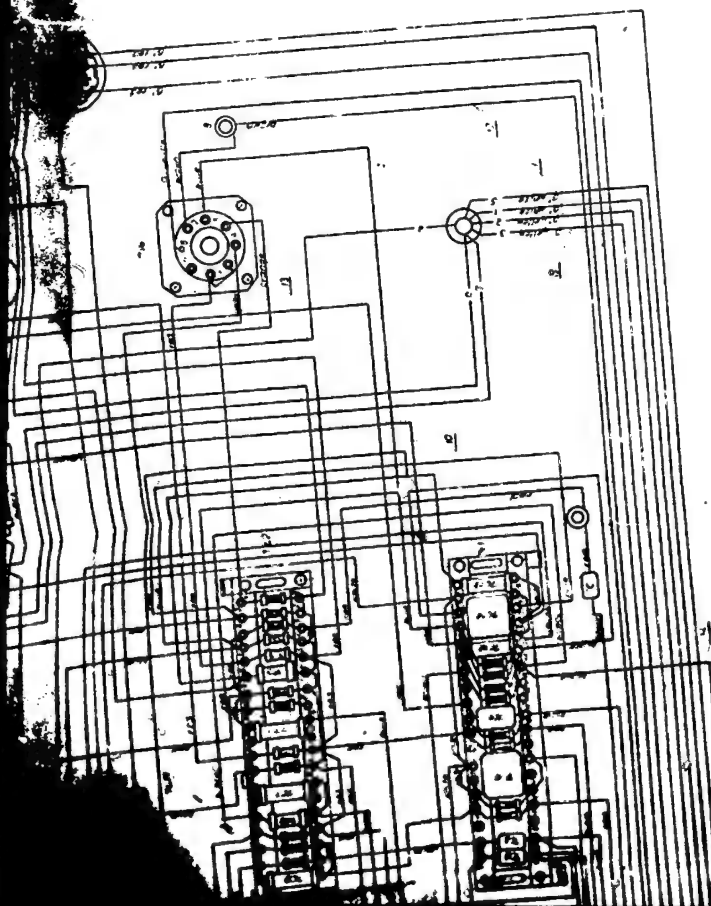
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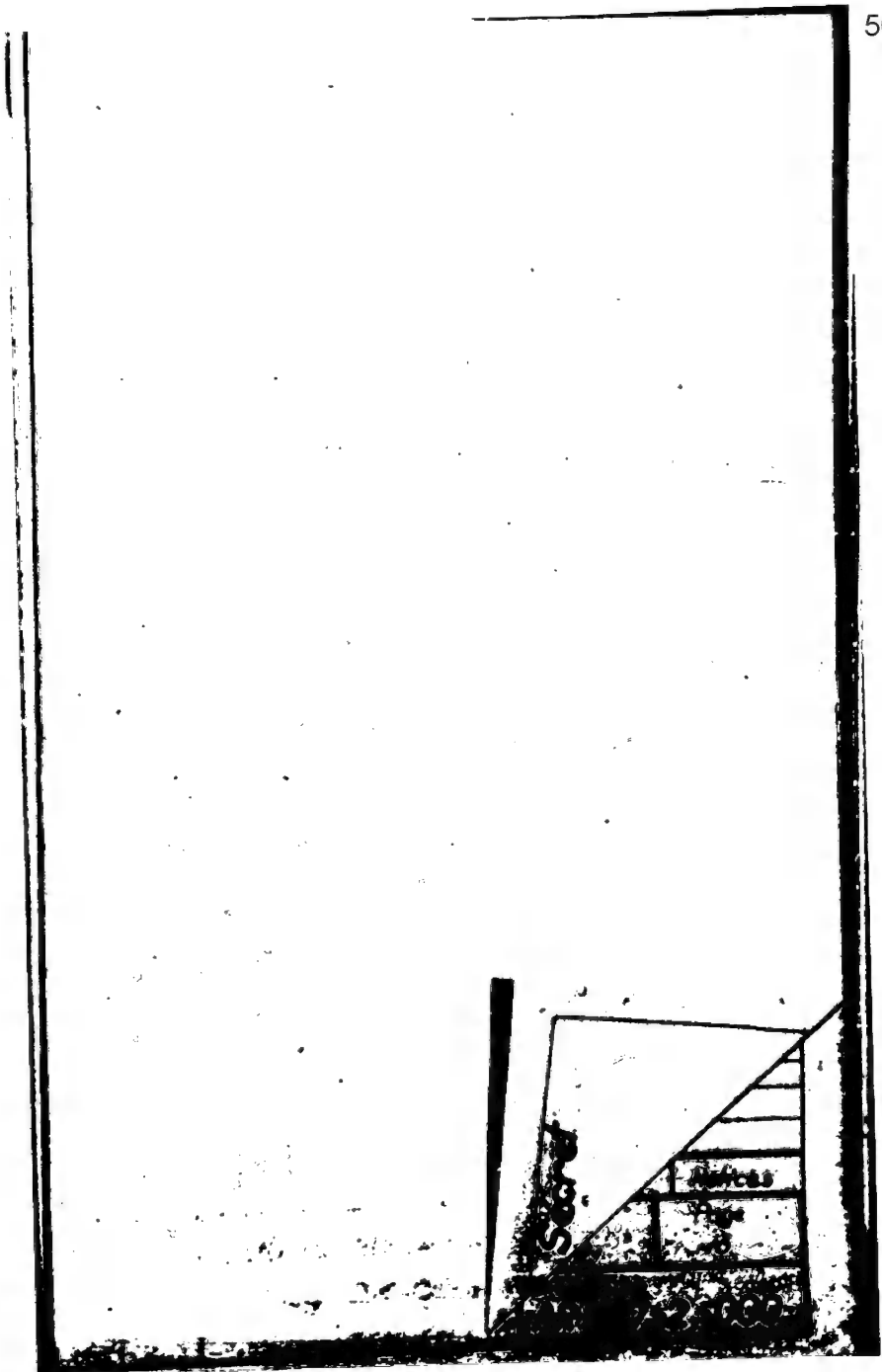
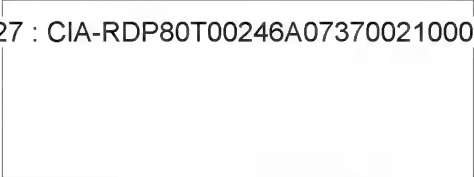


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### Notices:



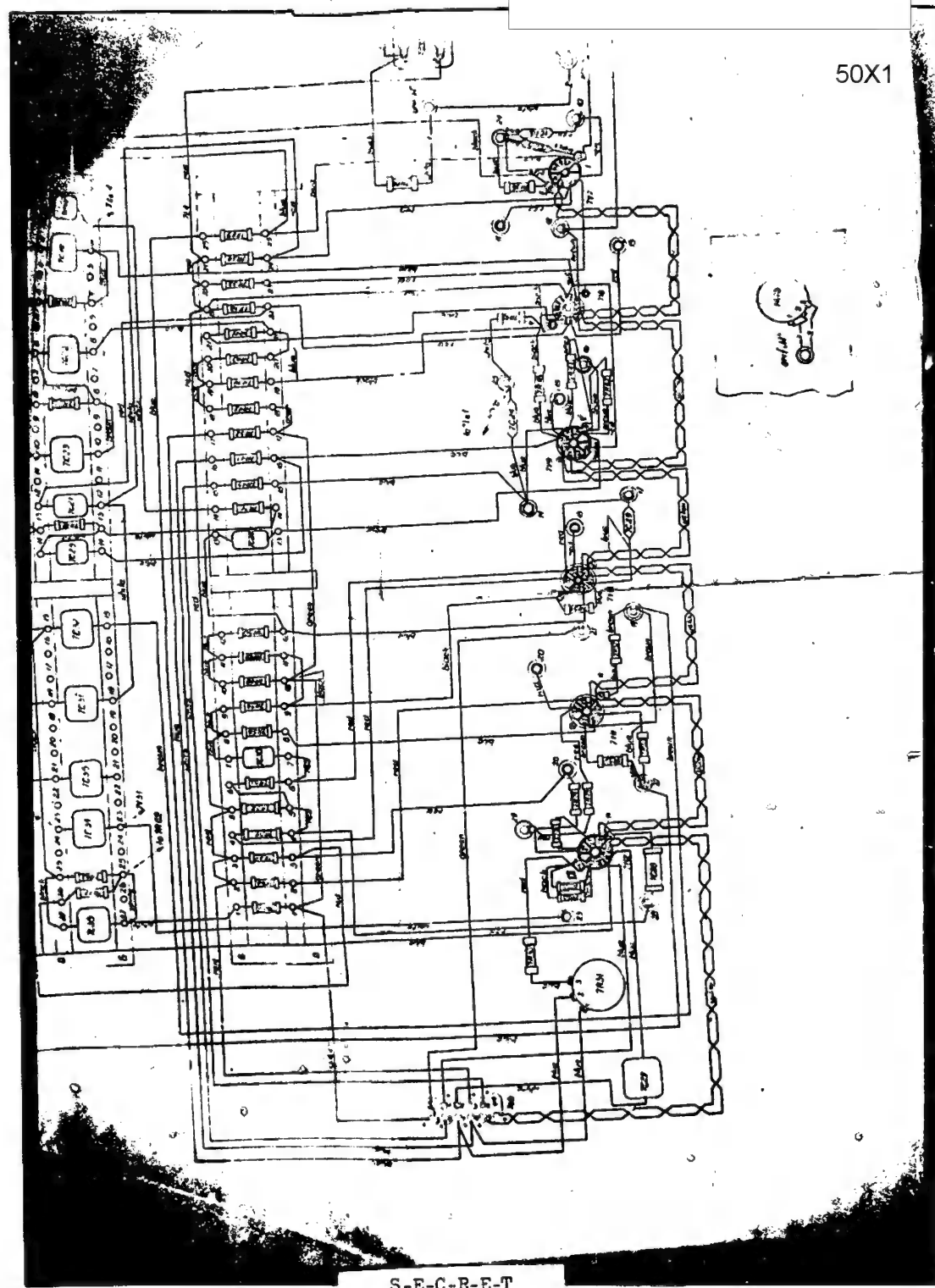
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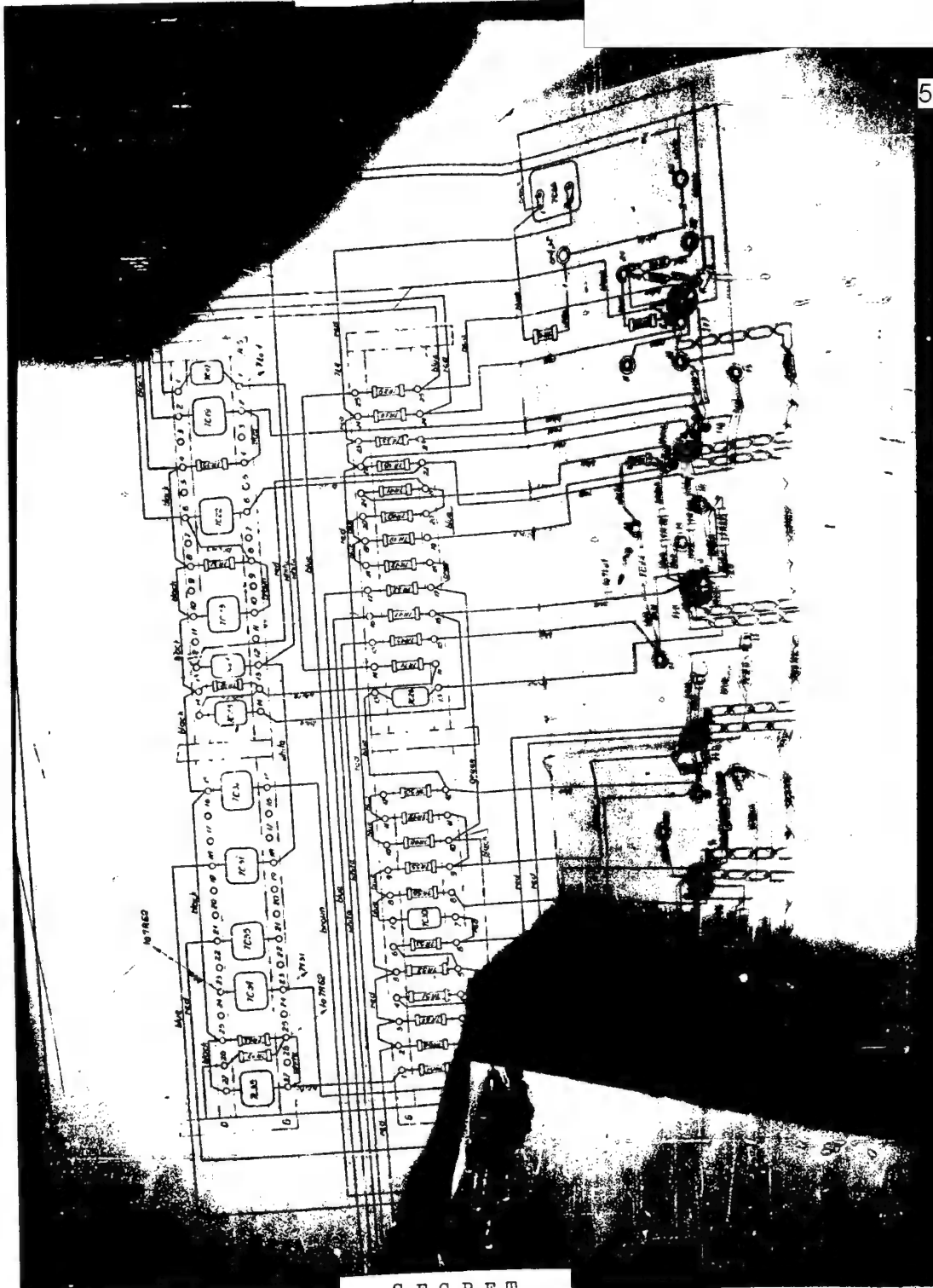
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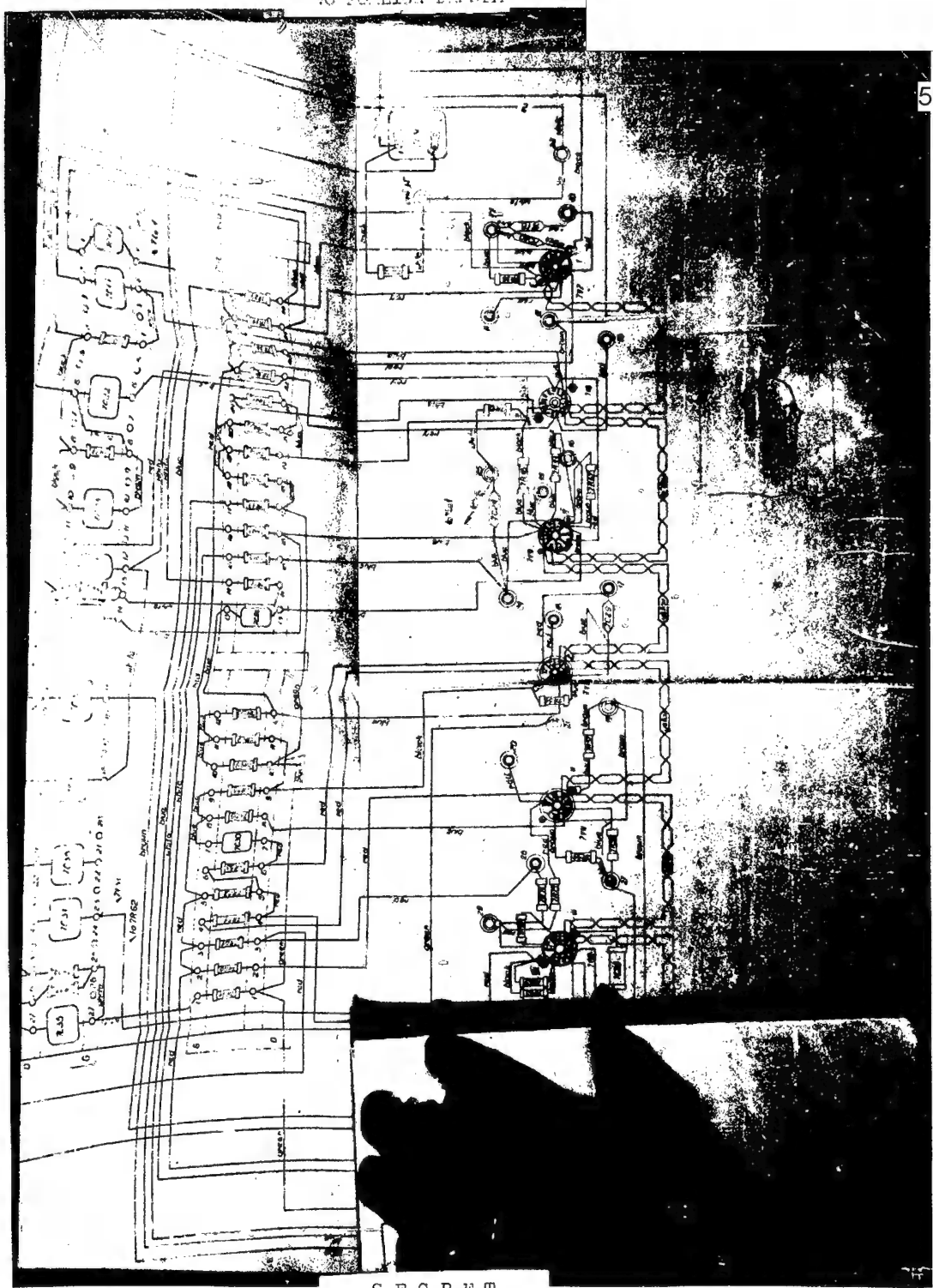
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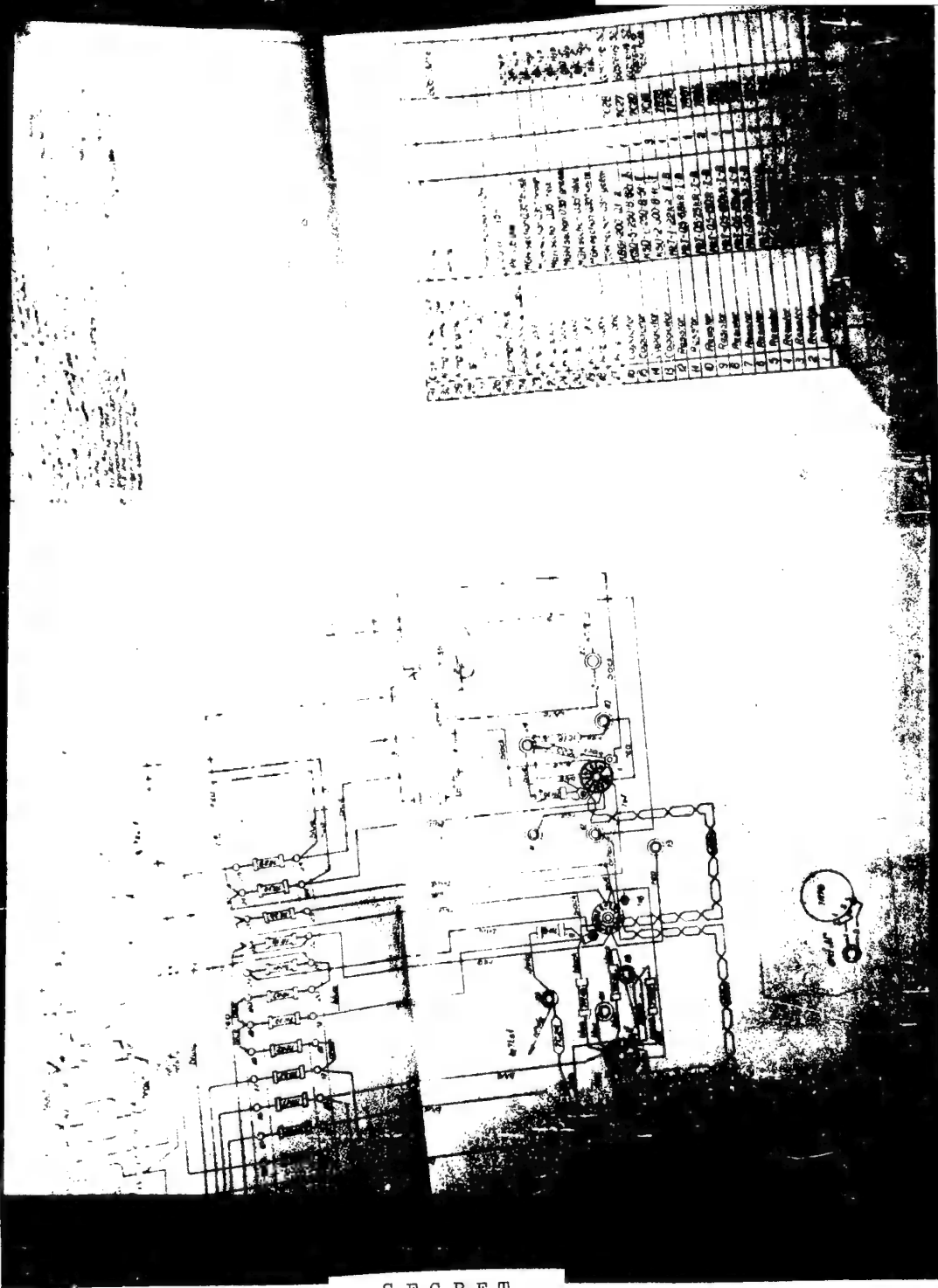
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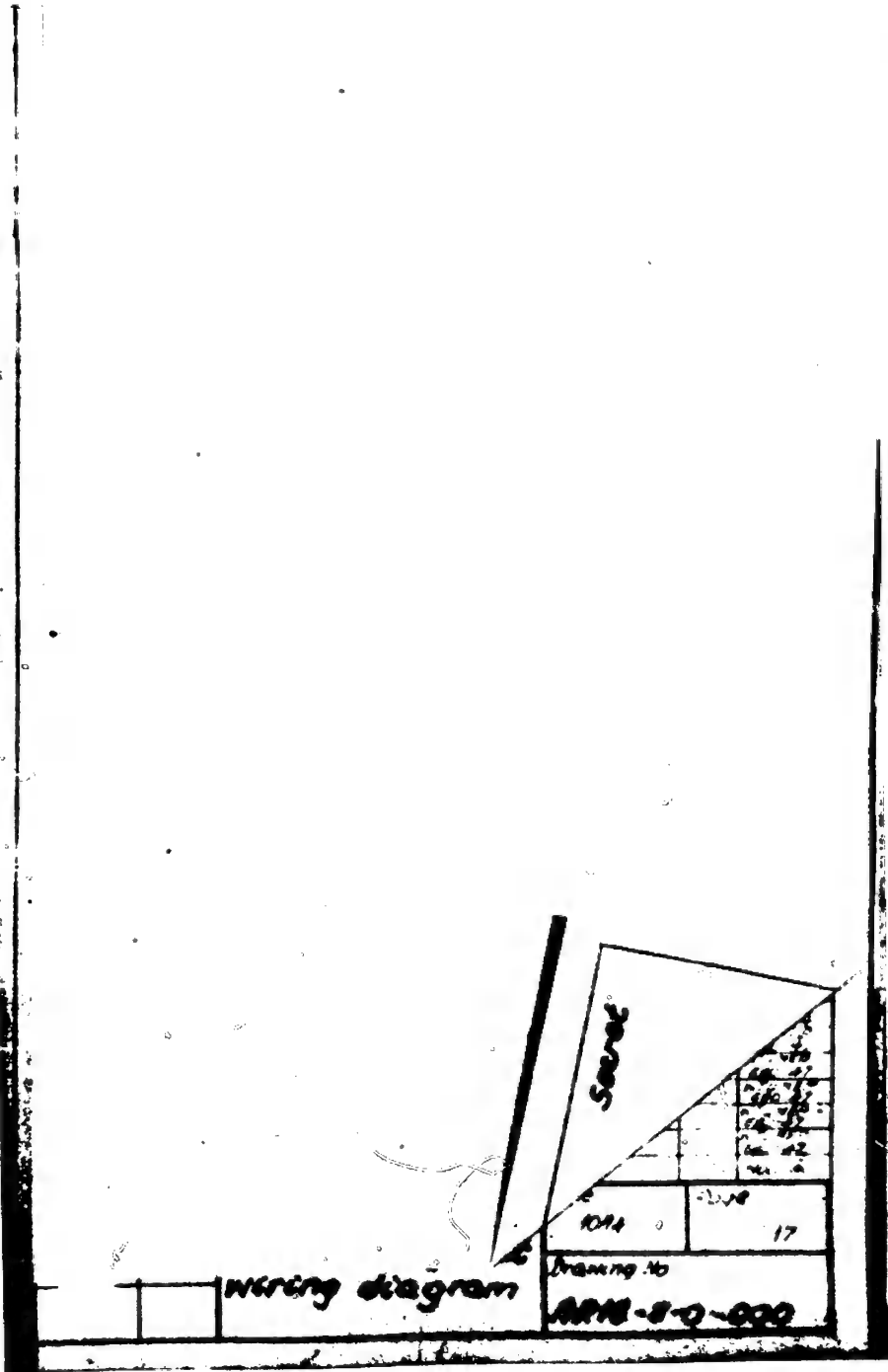
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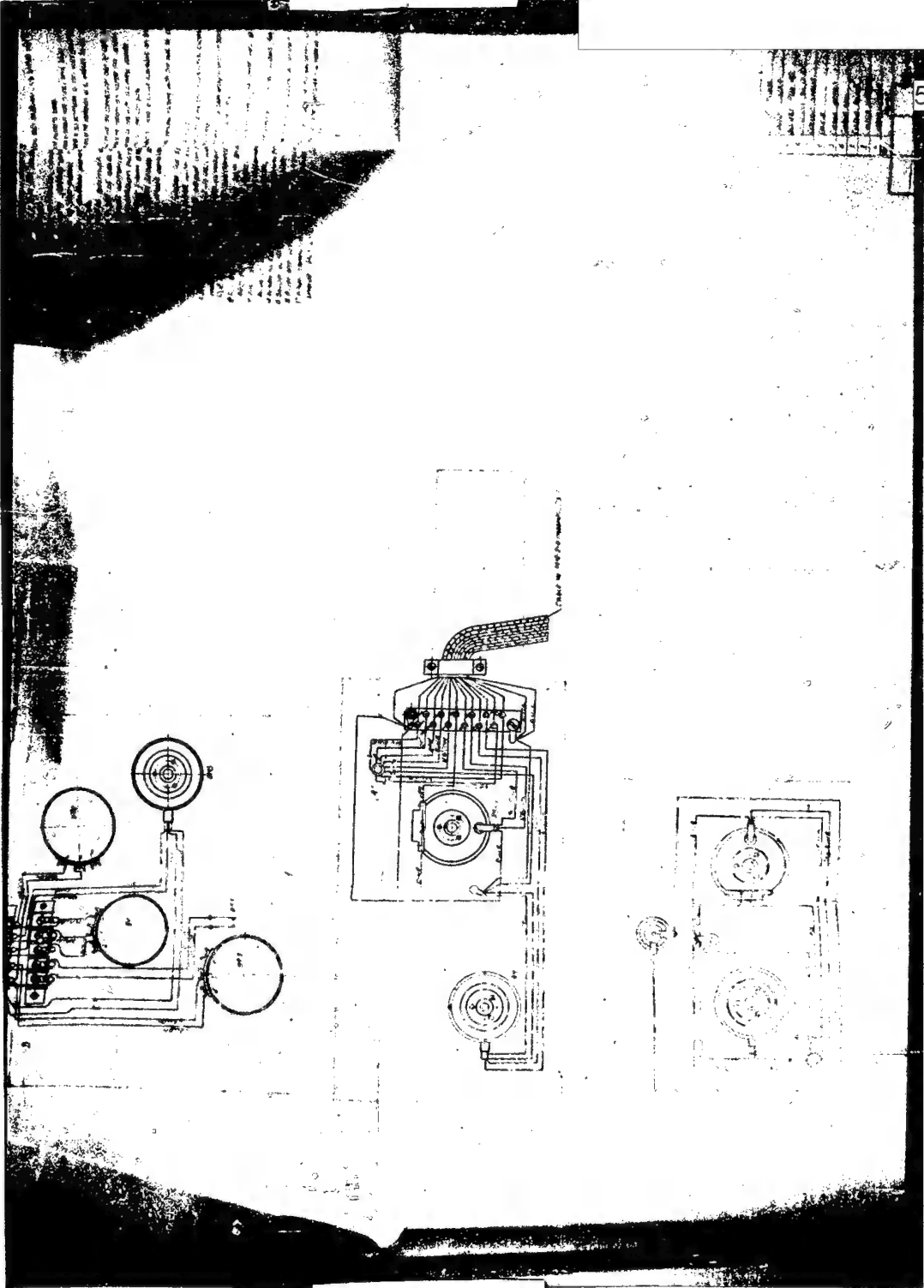


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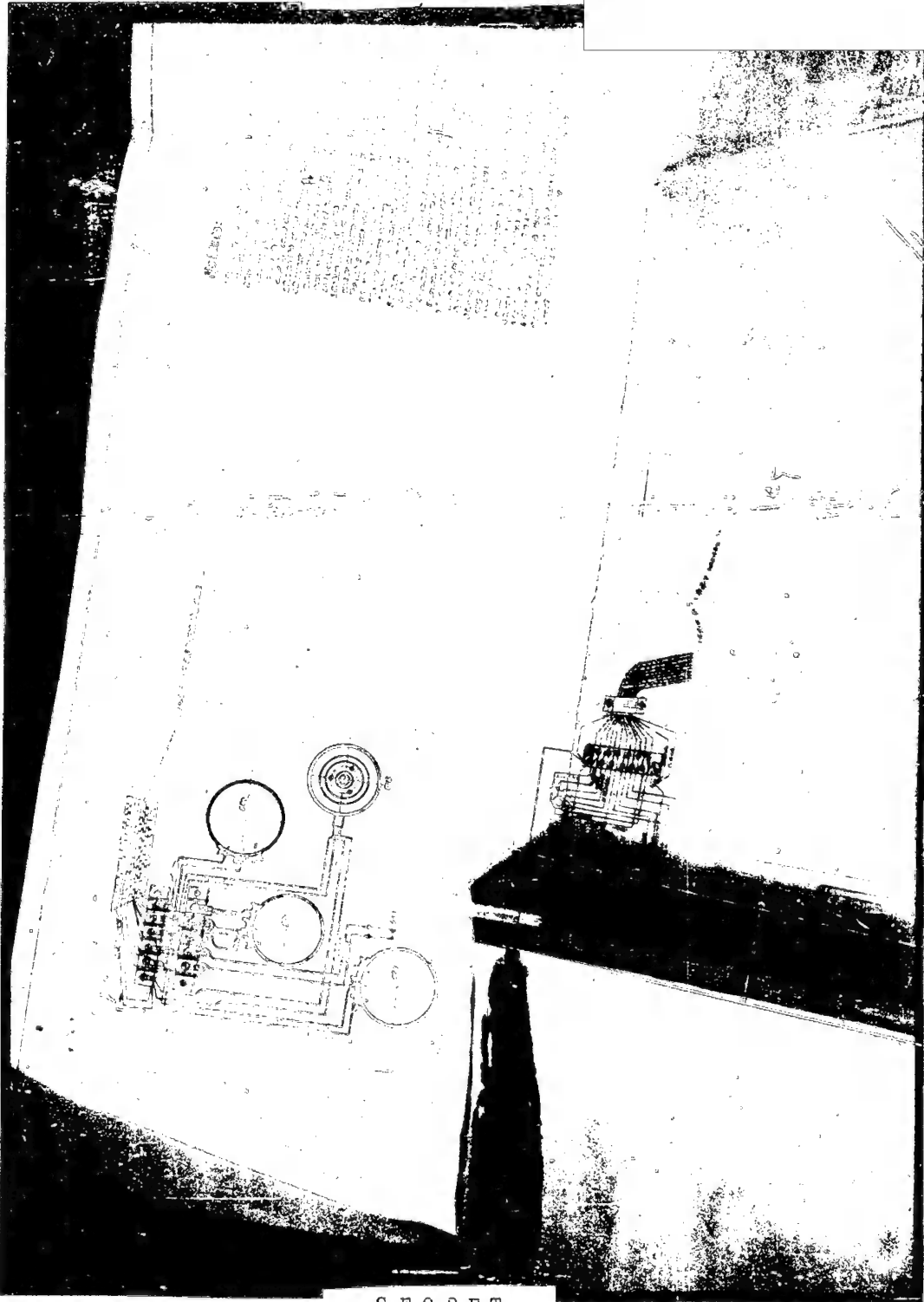
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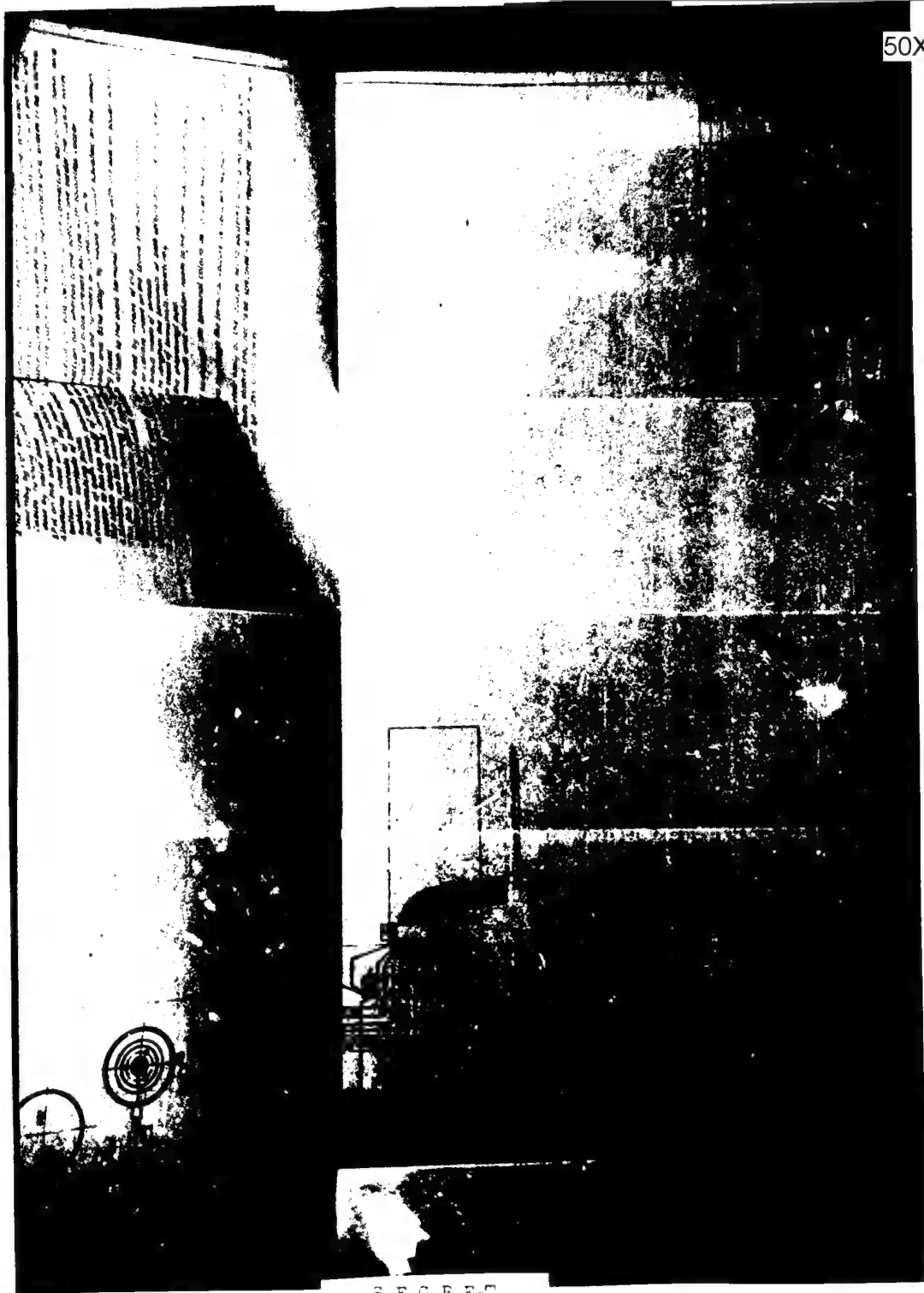
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**Word List:**

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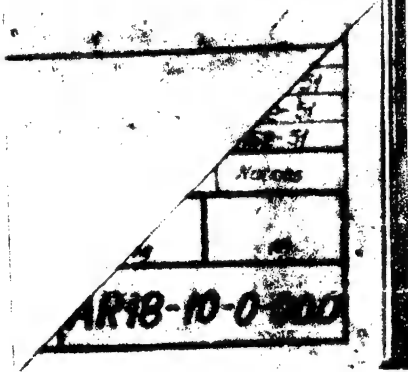
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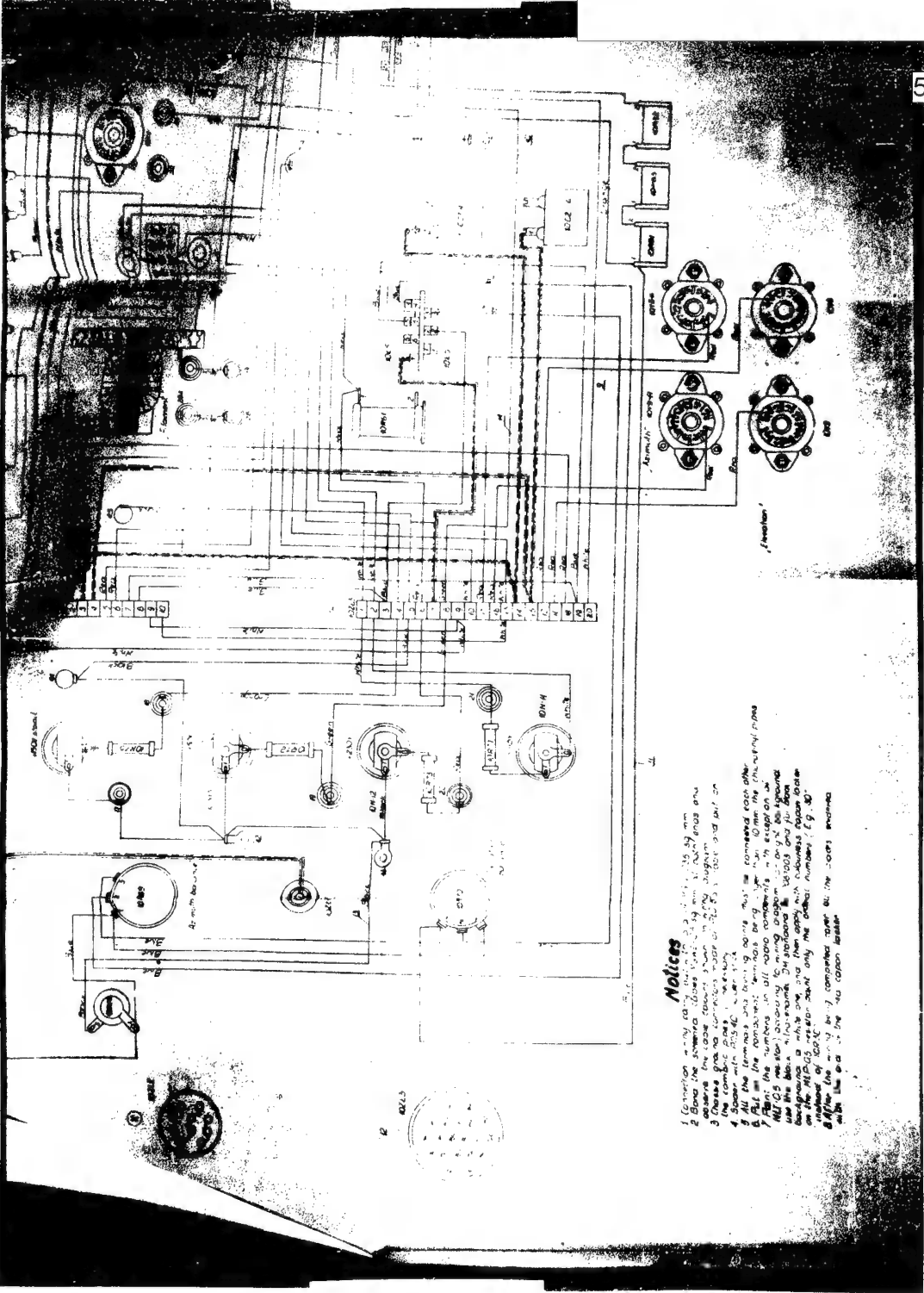
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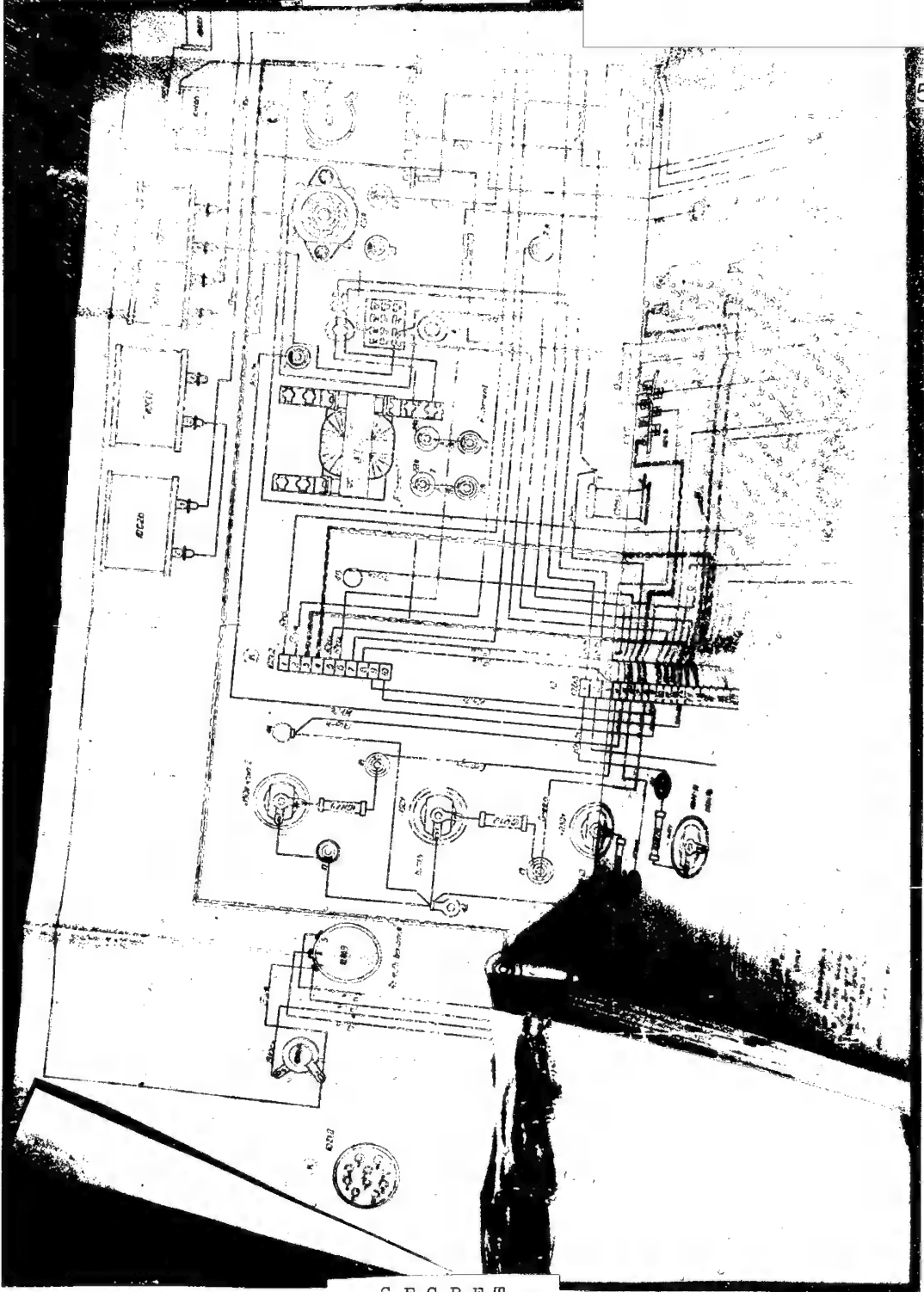
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**Notices**

1. Installation - any electrical equipment must be installed in accordance with the instructions in the manual.
2. Grounding - the equipment must be grounded in accordance with the instructions in the manual.
3. Wiring - the wiring must be done in accordance with the instructions in the manual.
4. Safety - the equipment must be handled with care and the safety instructions must be followed.
5. All the terminals and wiring must be connected correctly.
6. All the equipment must be tested before use.
7. All the equipment must be maintained in accordance with the instructions in the manual.
8. All the equipment must be used in accordance with the instructions in the manual.
9. All the equipment must be handled with care and the safety instructions must be followed.

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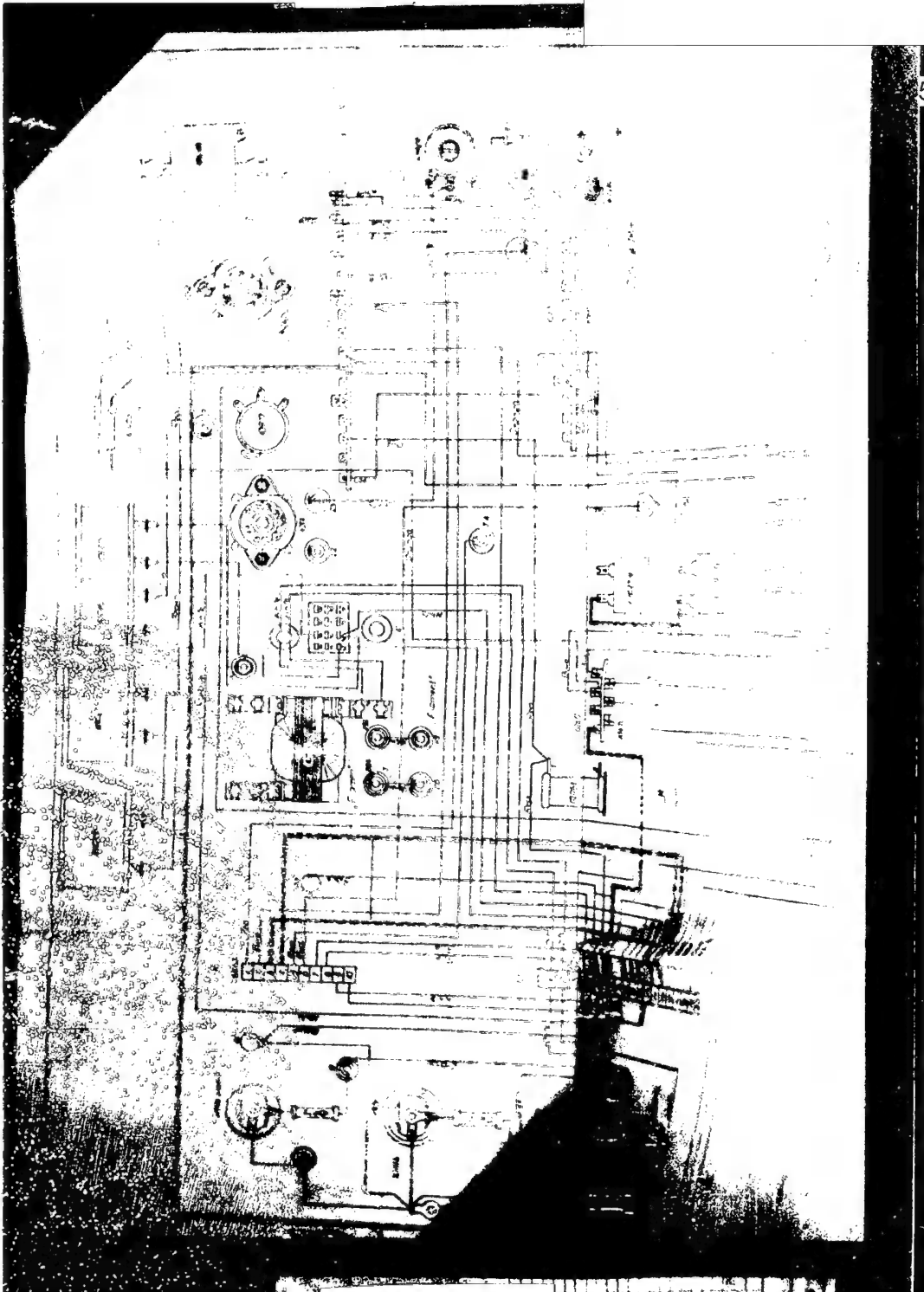
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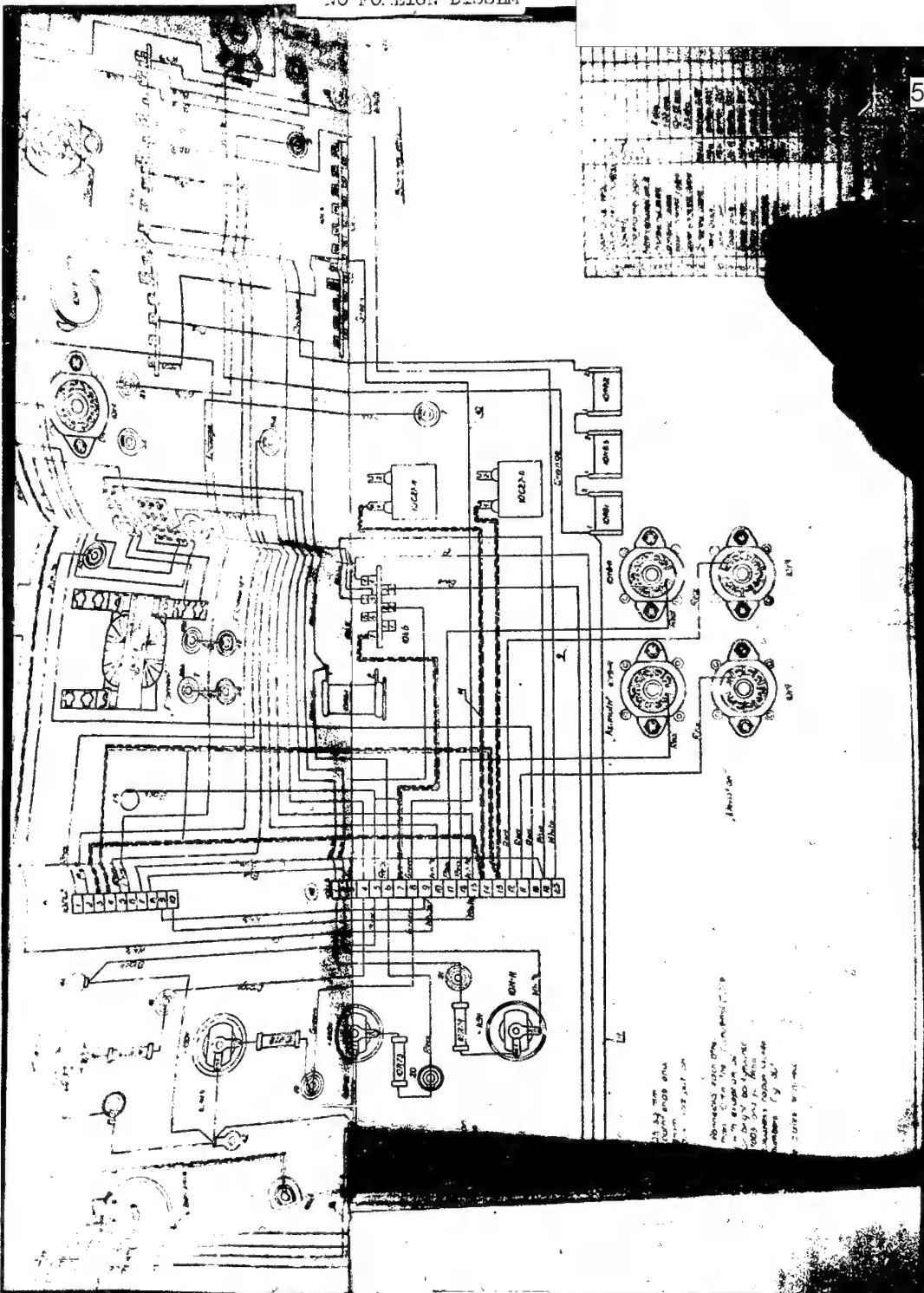


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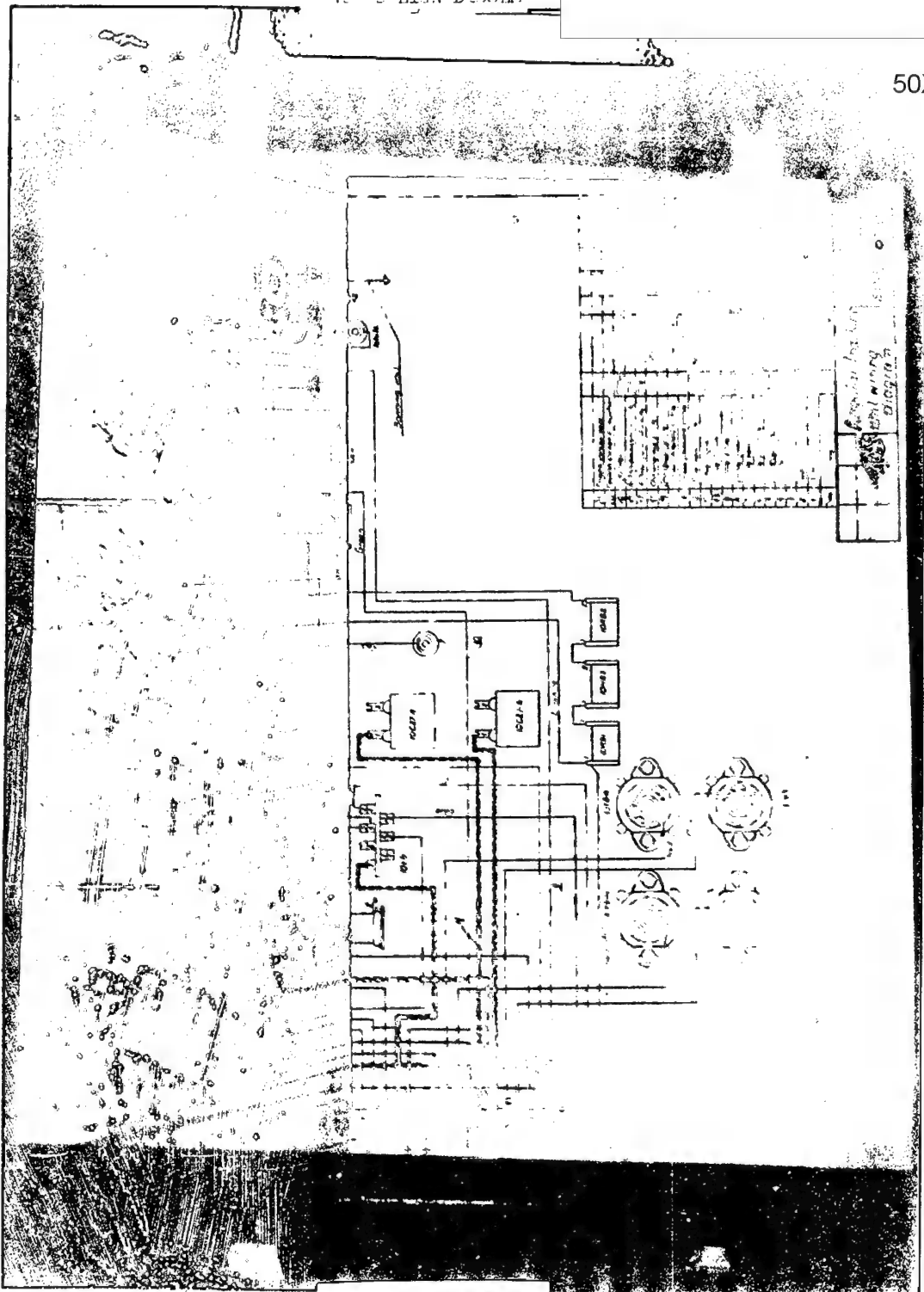


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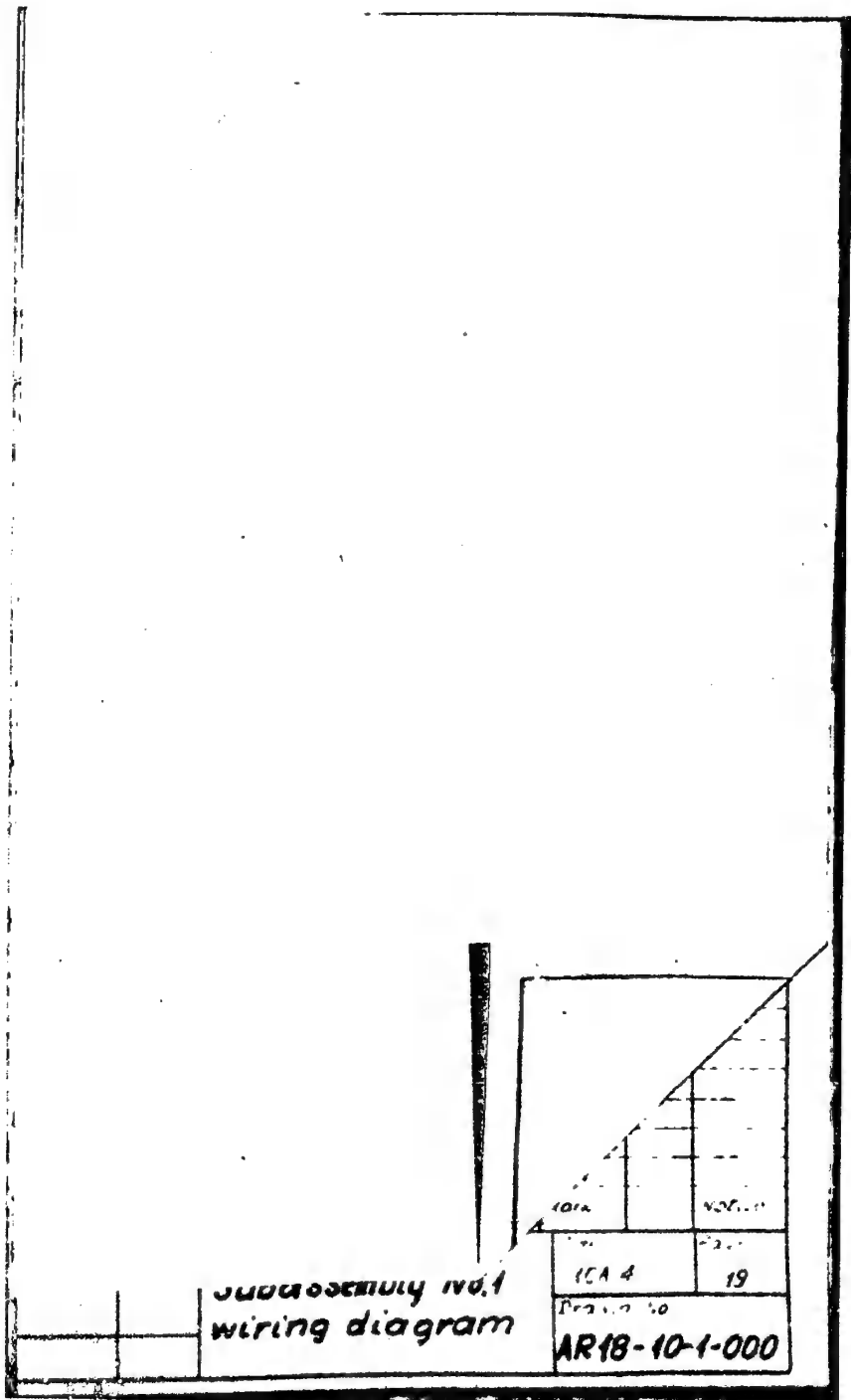


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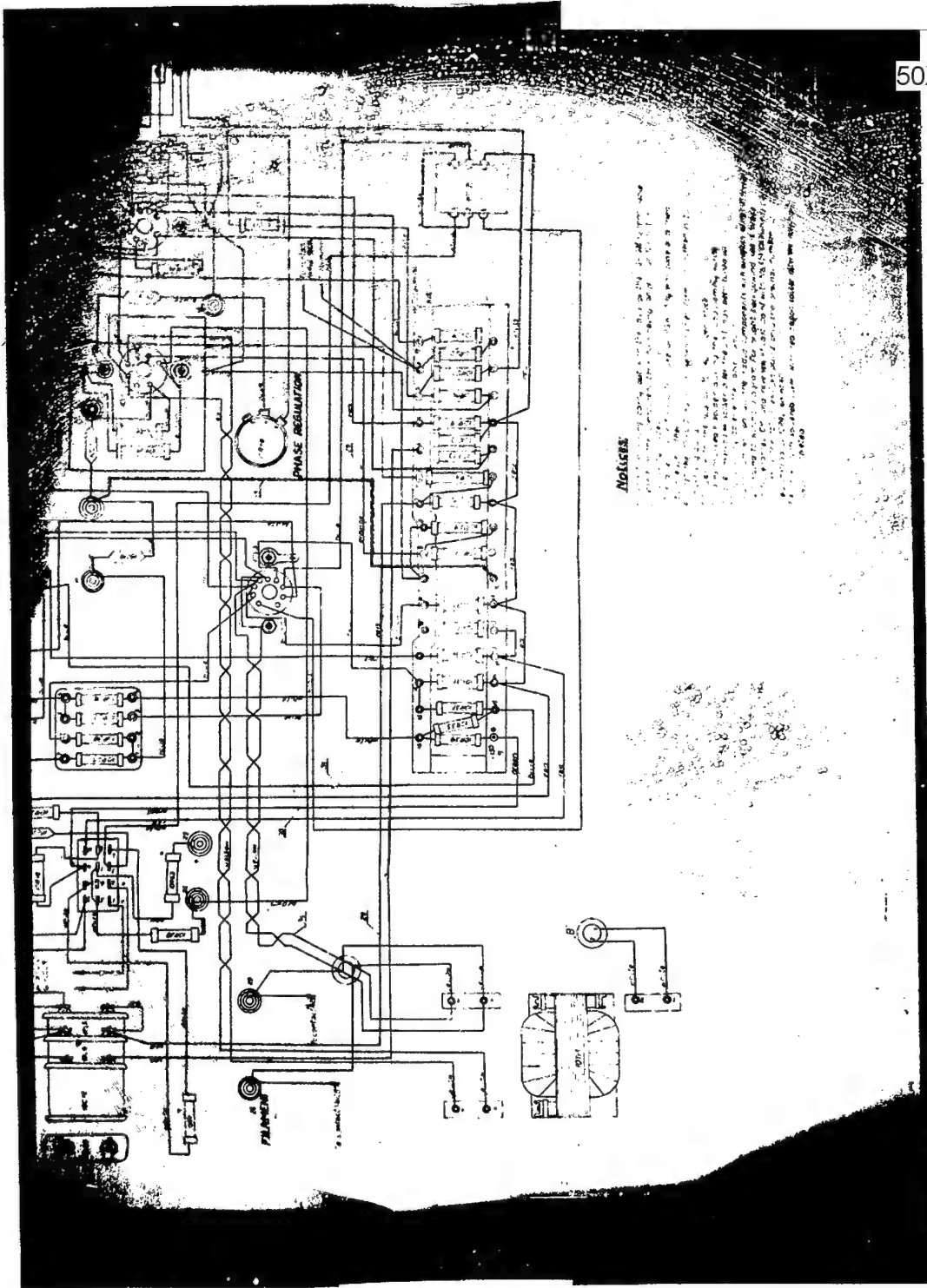
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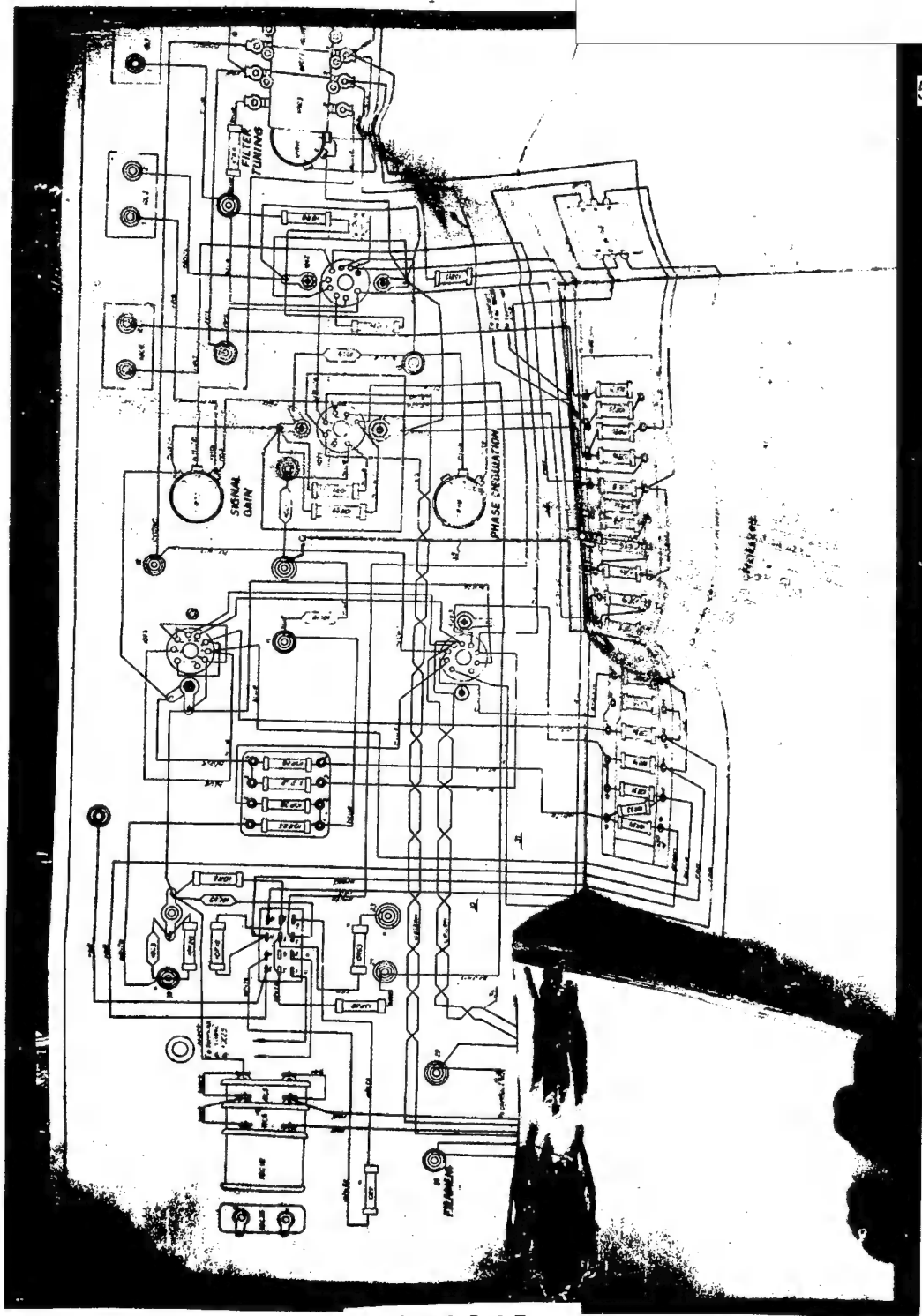


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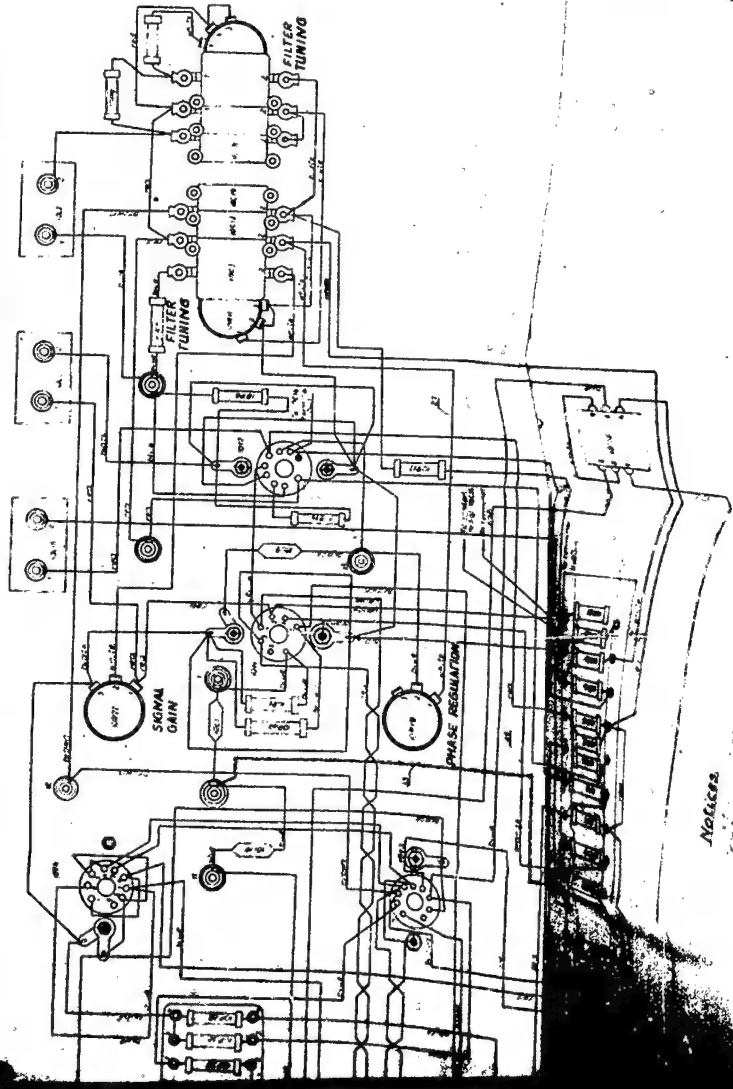
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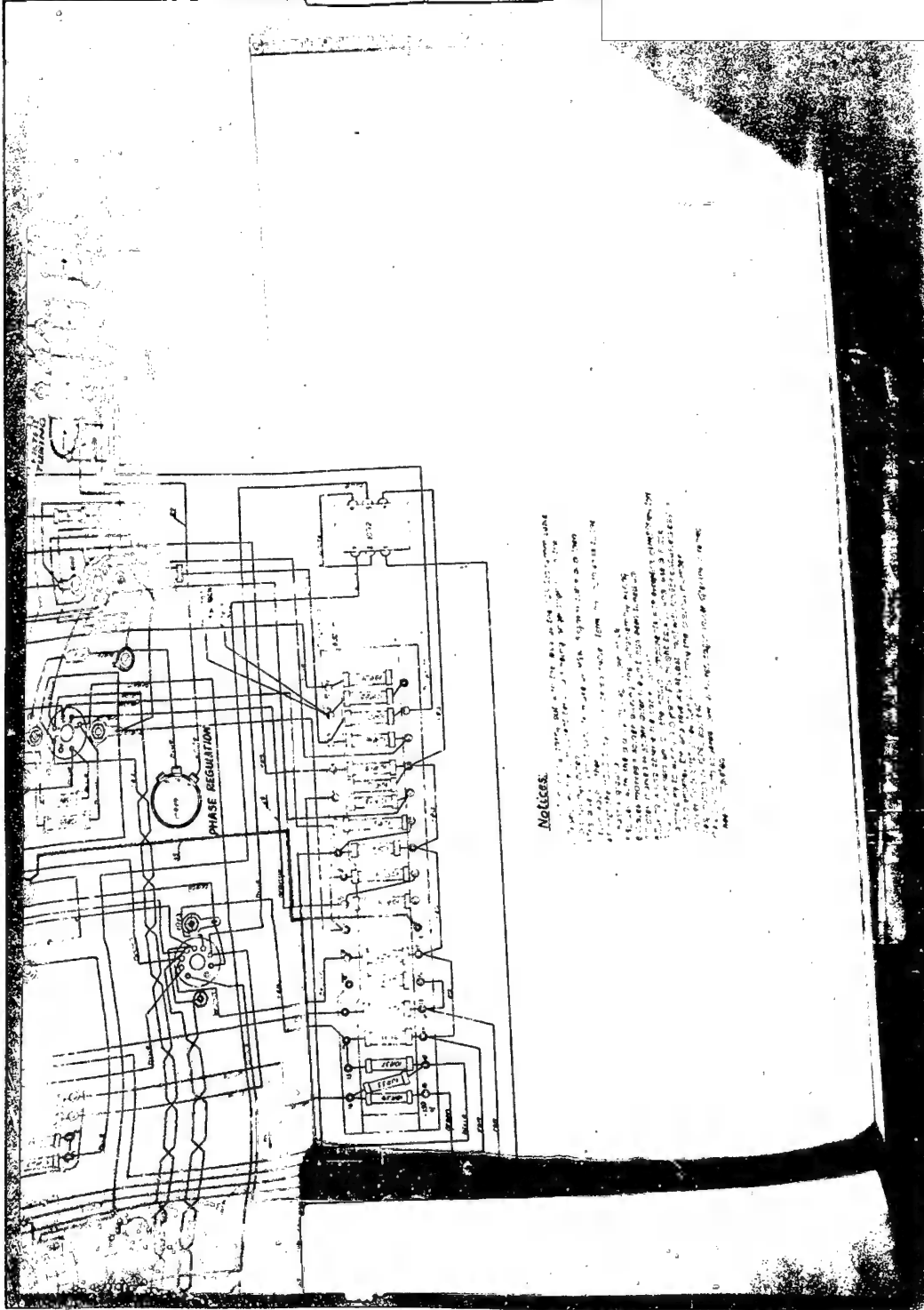
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Notices.

1. This diagram is for the use of the user only. It is not to be distributed outside the user's organization.

2. The user is responsible for the proper installation and operation of the equipment shown in this diagram.

3. The user is responsible for the proper maintenance of the equipment shown in this diagram.

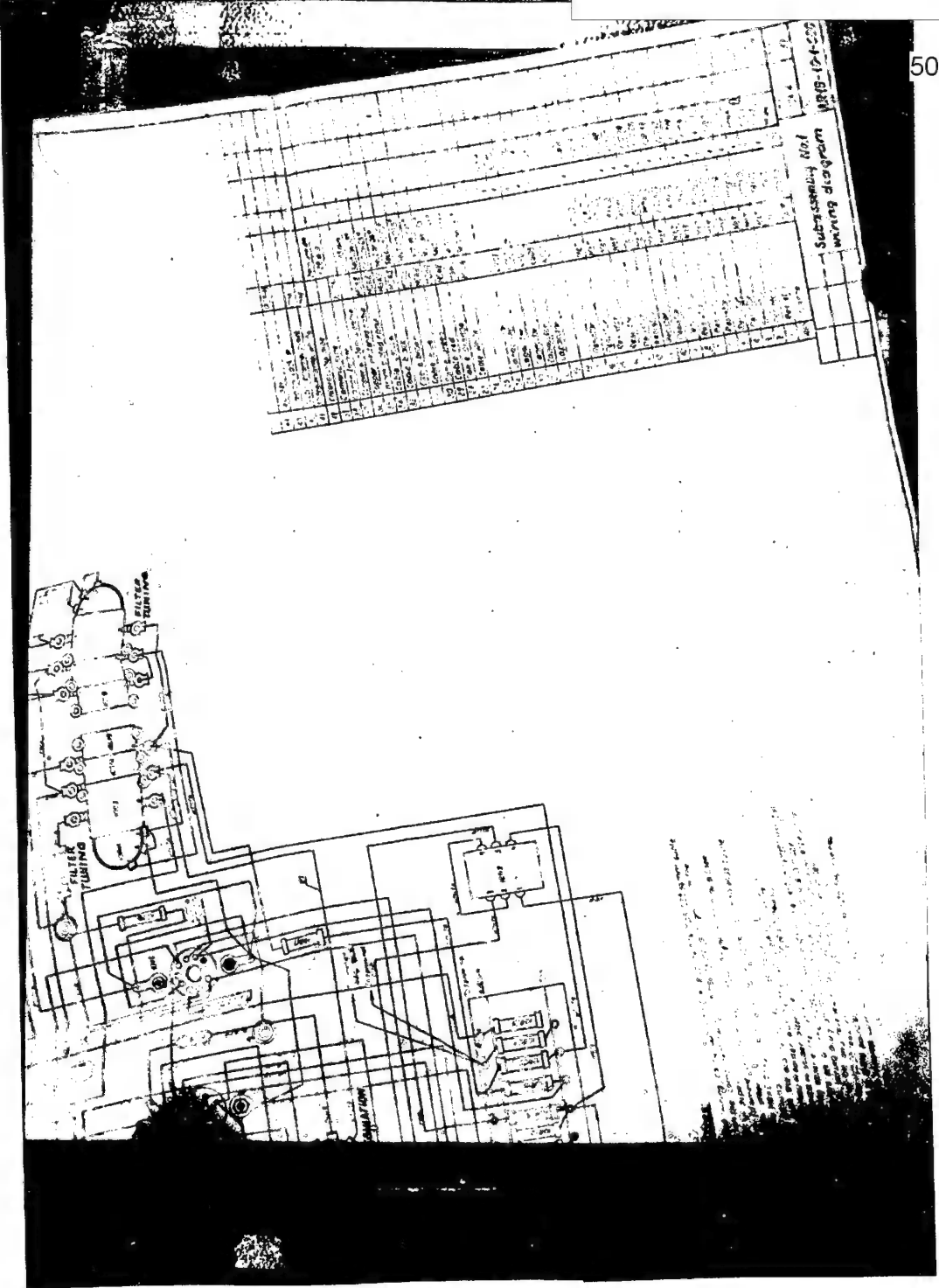
4. The user is responsible for the proper operation of the equipment shown in this diagram.

5. The user is responsible for the proper operation of the equipment shown in this diagram.

S-E-C-R-E-T

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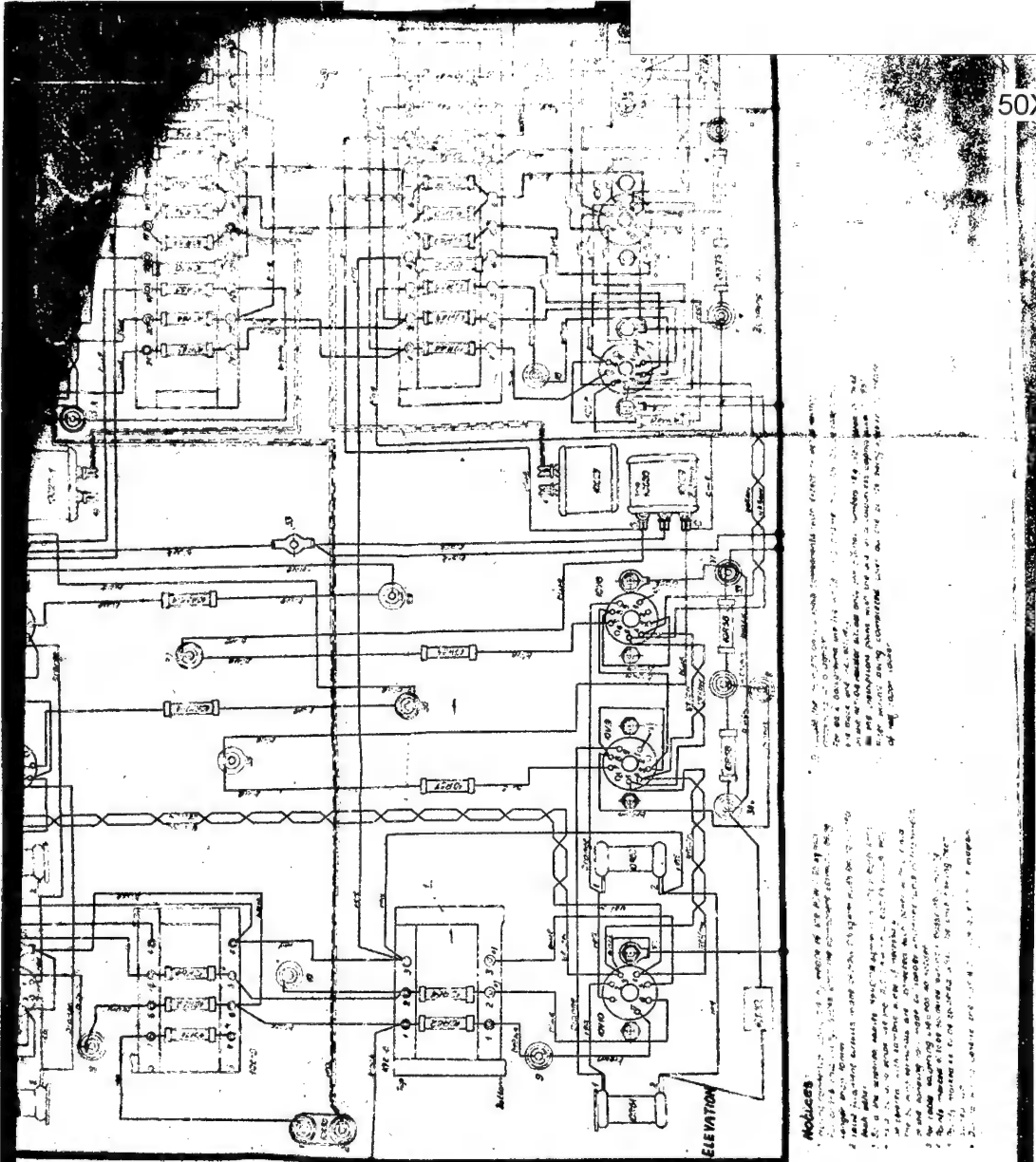
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*Assembly*  
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Drawing No. 10R-10-3-000	

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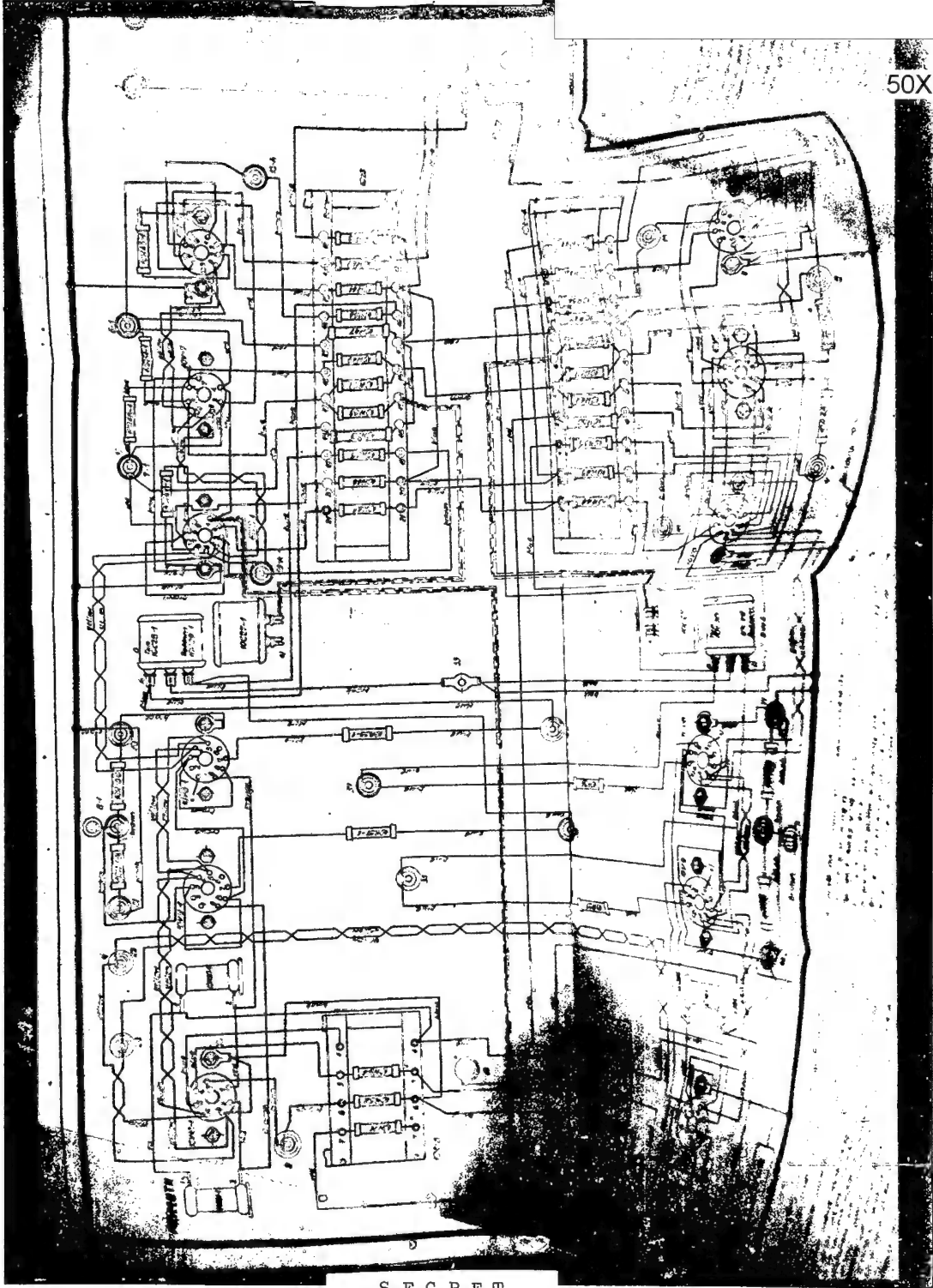


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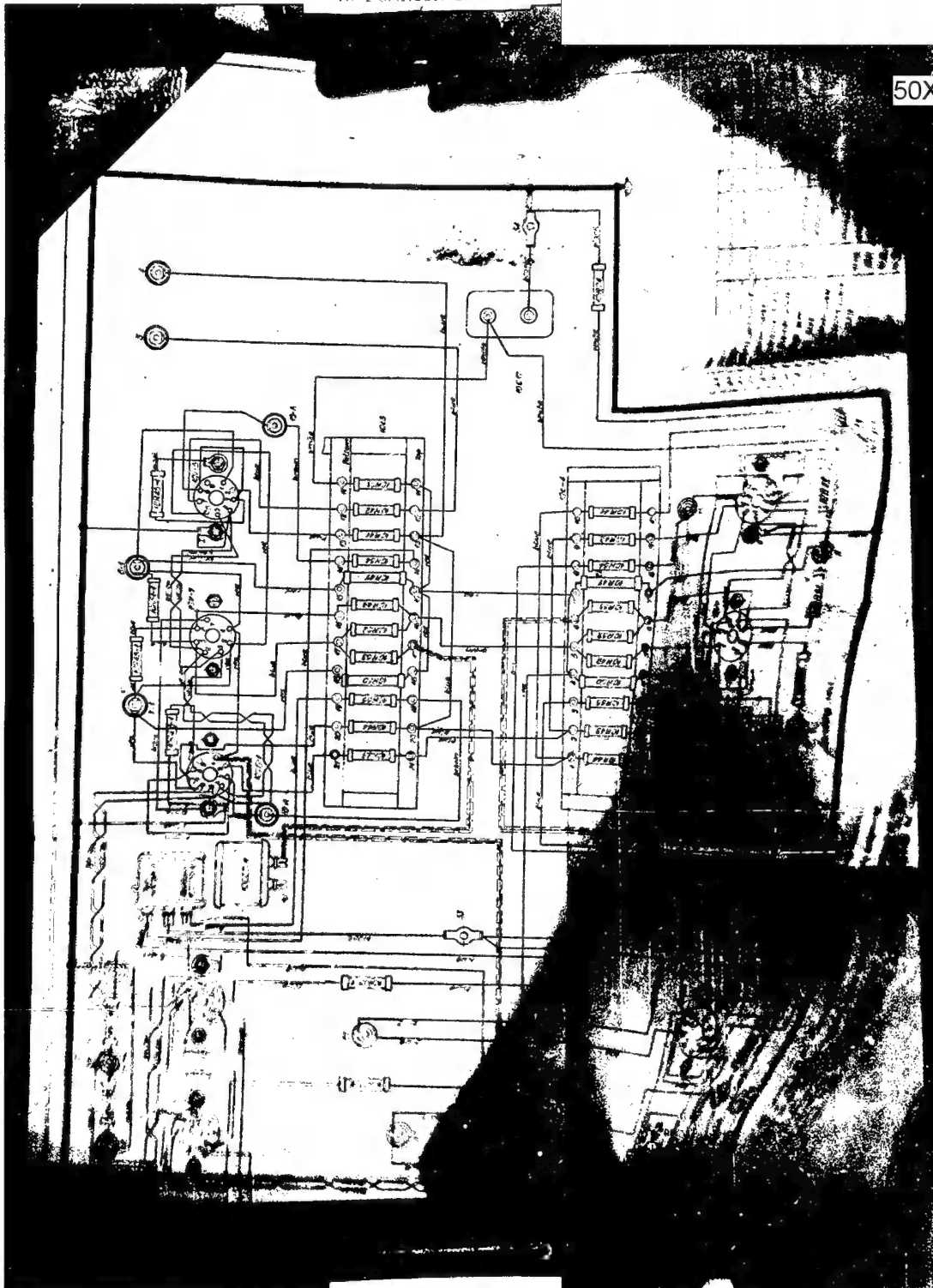
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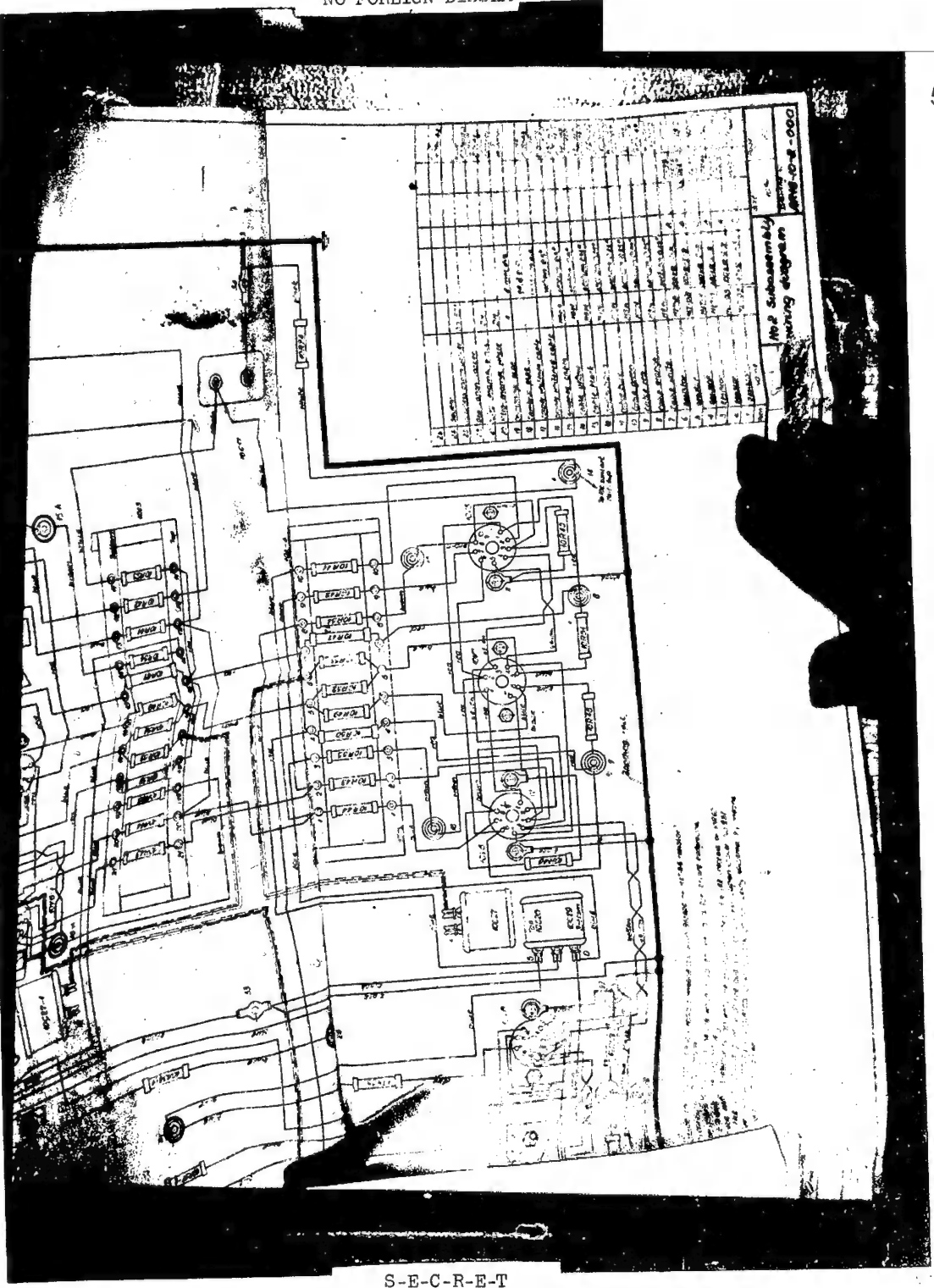
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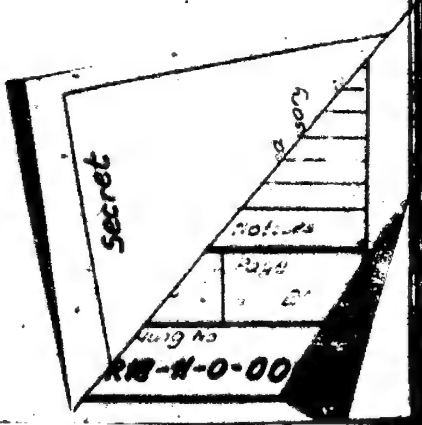


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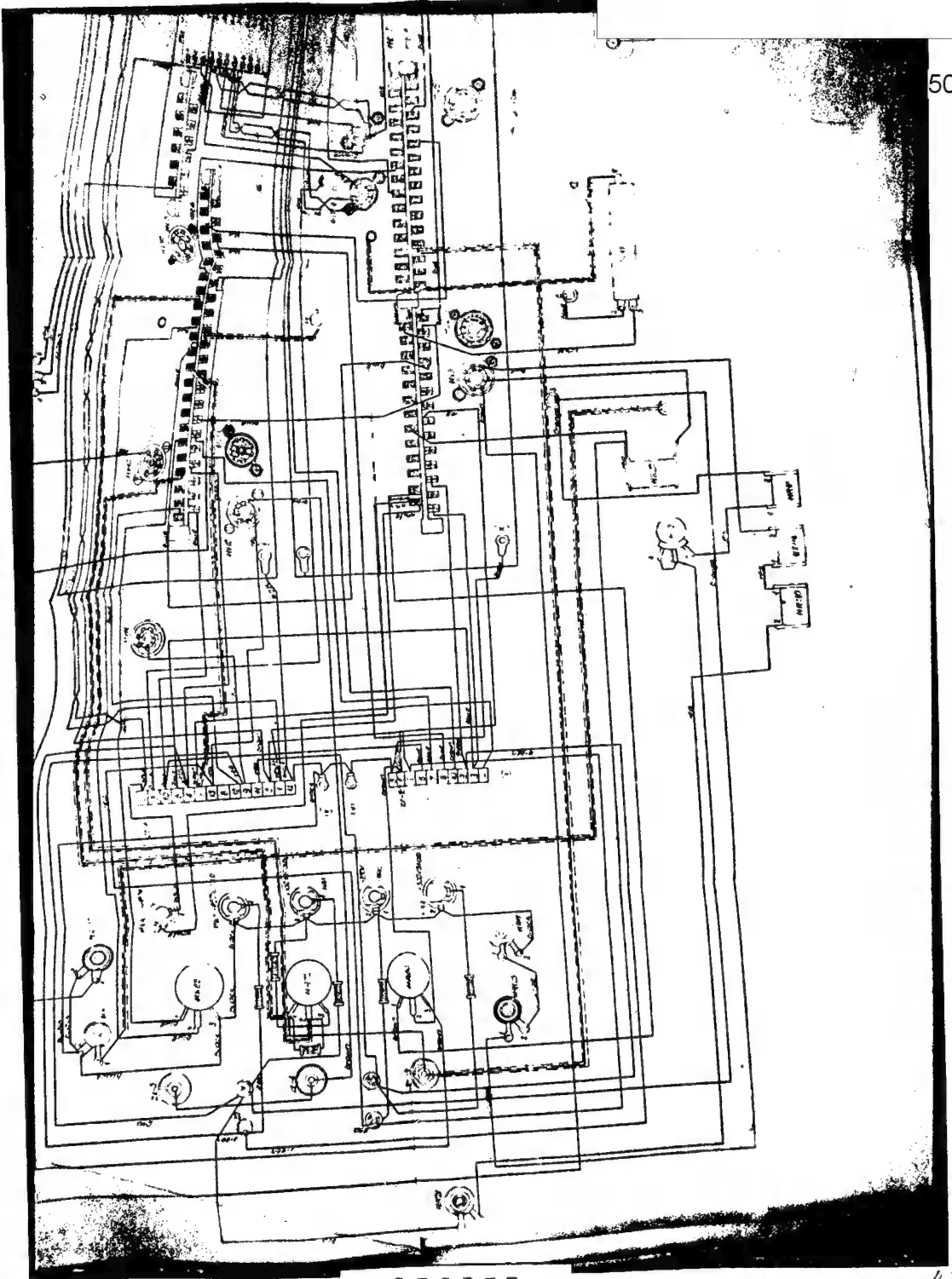
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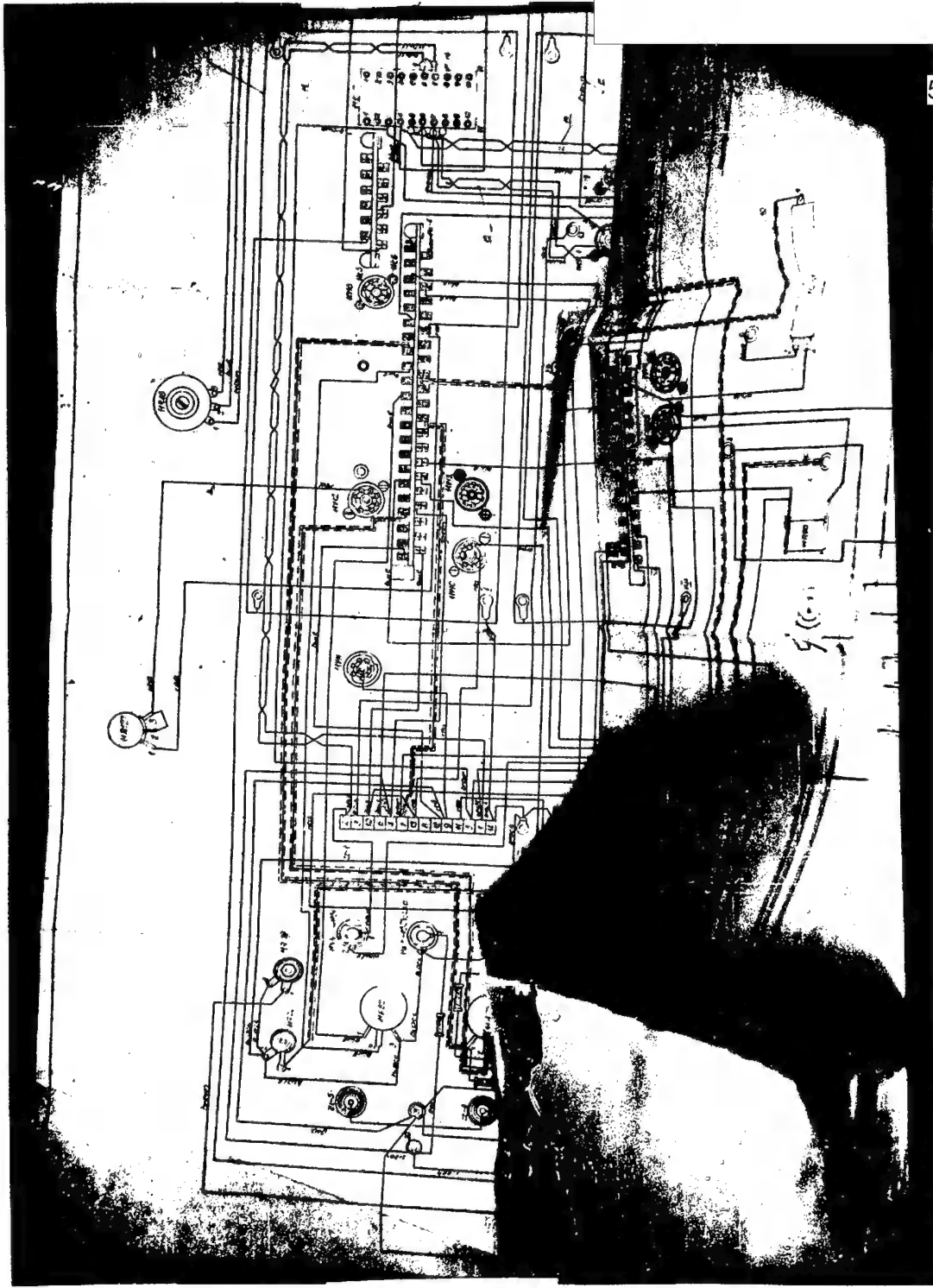


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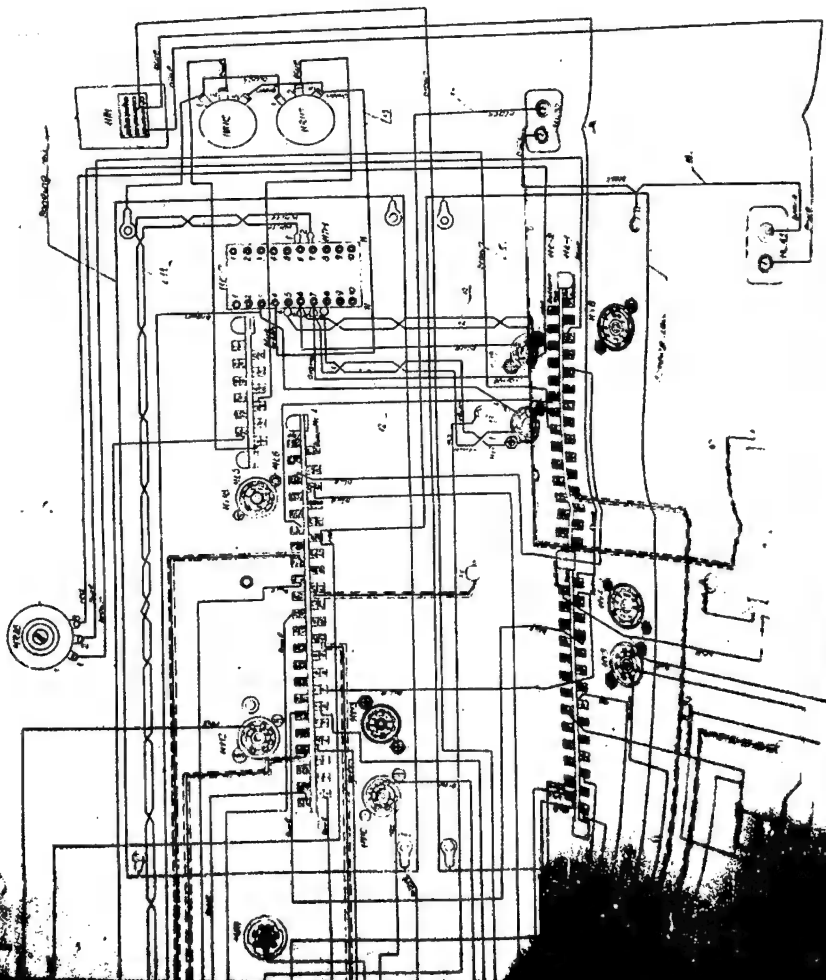
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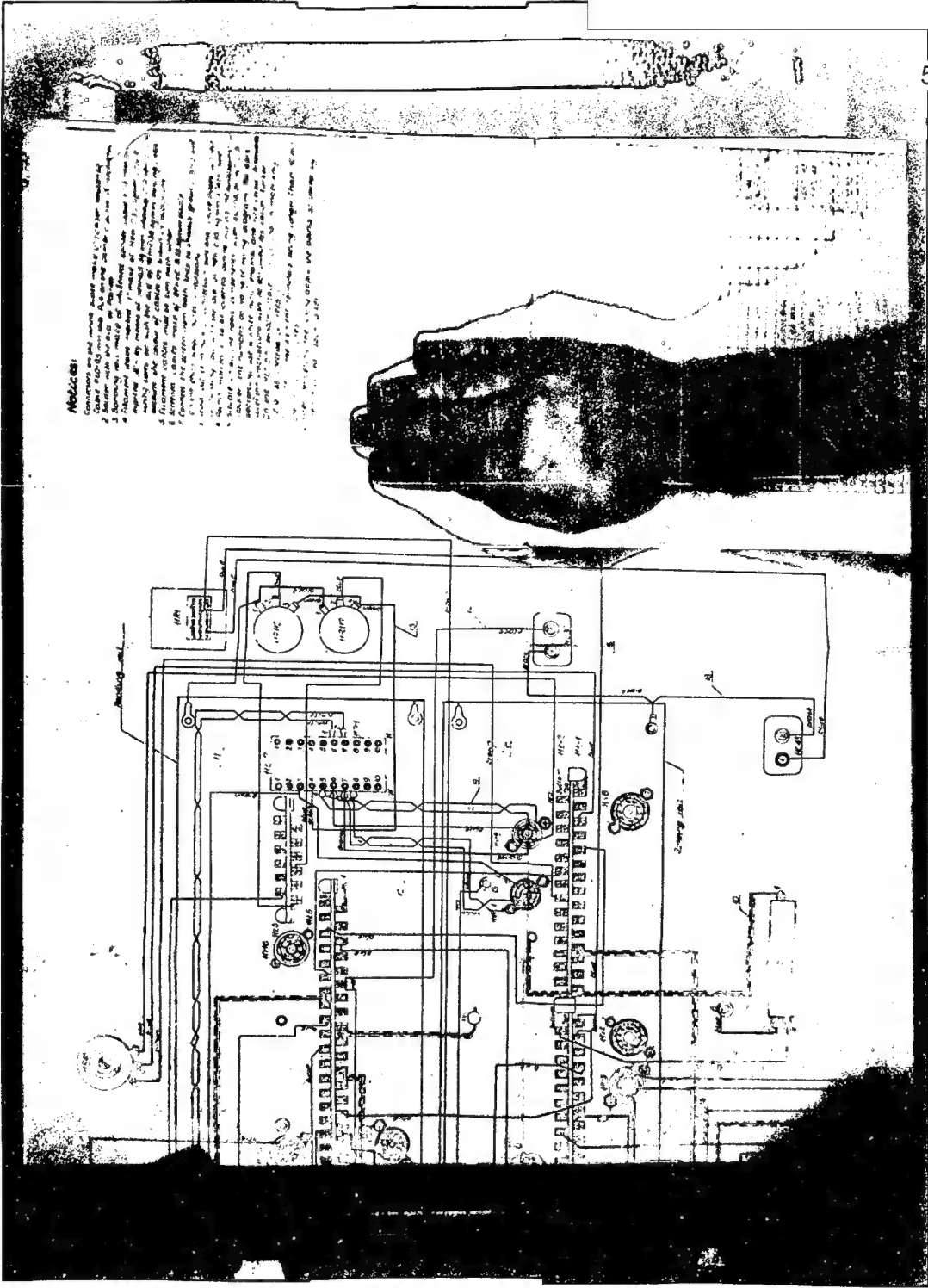
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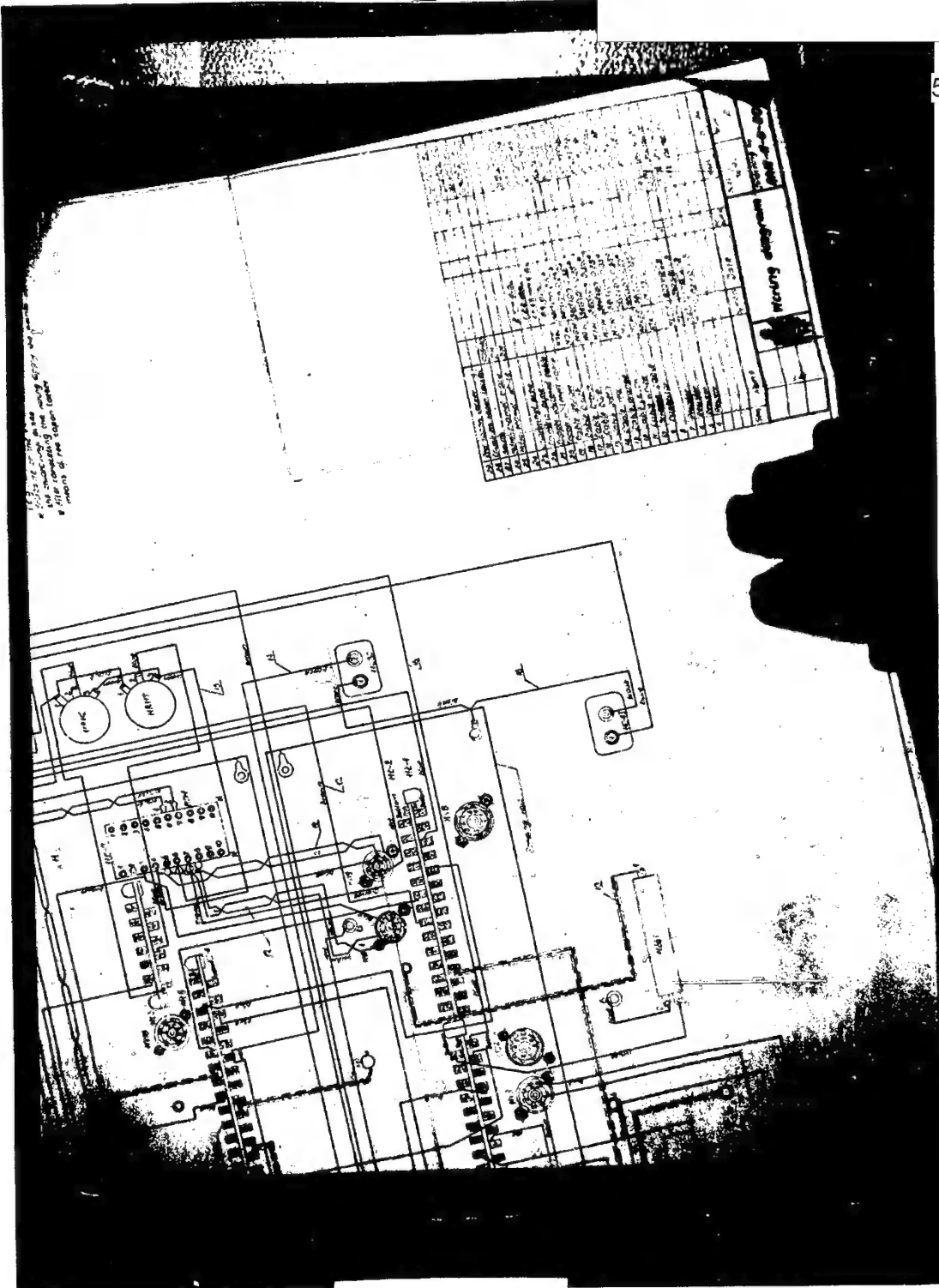
NOTES:  
1. The circuit is designed to operate from a 110V AC source.  
2. The transformer is rated at 110V/0.5A.  
3. The components are mounted on a single-sided PCB.  
4. The circuit is designed to operate at a frequency of 60Hz.  
5. The components are rated for 100% duty cycle.  
6. The circuit is designed to operate at a temperature range of -40°C to +85°C.  
7. The components are rated for 100% humidity.  
8. The circuit is designed to operate at a power consumption of 10W.  
9. The components are rated for 100% vibration.  
10. The circuit is designed to operate at a shock level of 10g.

S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

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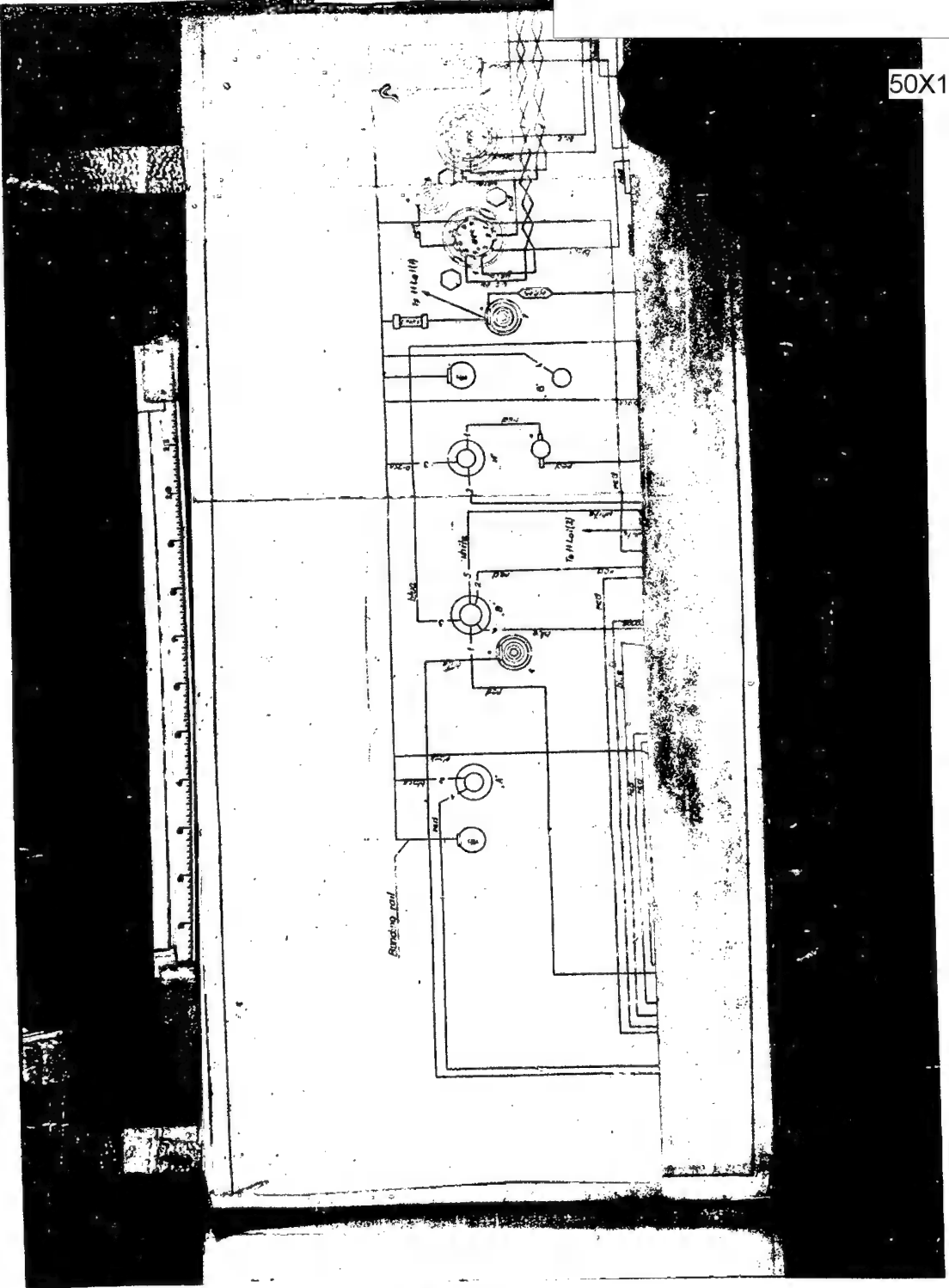
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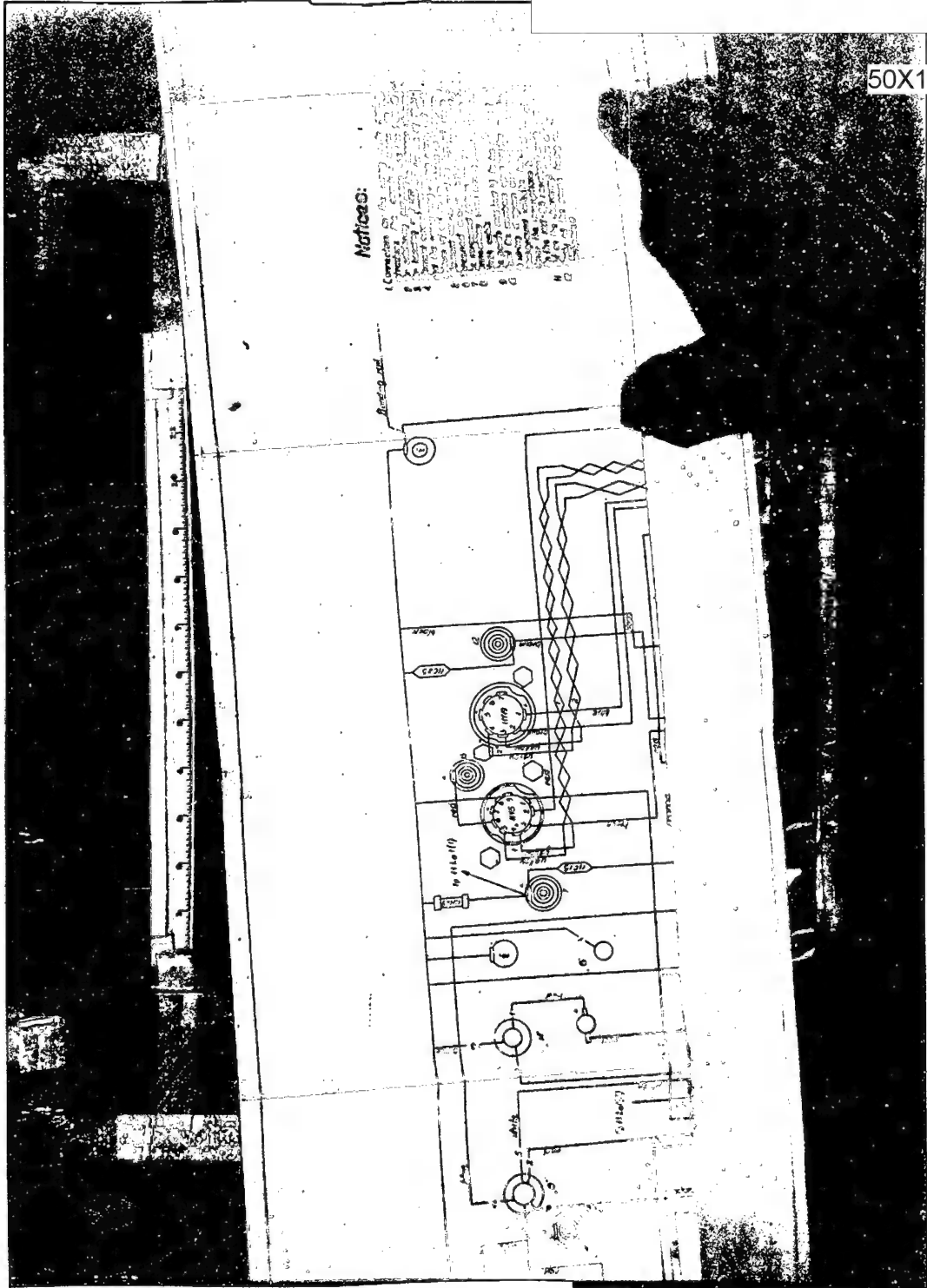
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S-E-C-R-E-T  
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Notice:

(Continued from page 10)  
The following information is being furnished to you for your information only. It is not to be distributed outside your organization.

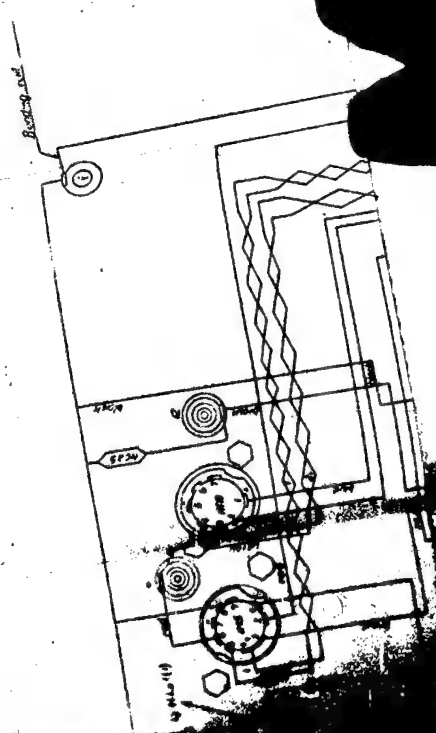


S-E-C-R-E-T  
NO FOREIGN DISSEM

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## Notices:

- Notes:**
1. Connectors on the wiring plate on them. The distance between the connectors is 1-1.5 mm.
  2. The distance between the connectors is 1-1.5 mm.
  3. The distance between the connectors is 1-1.5 mm.
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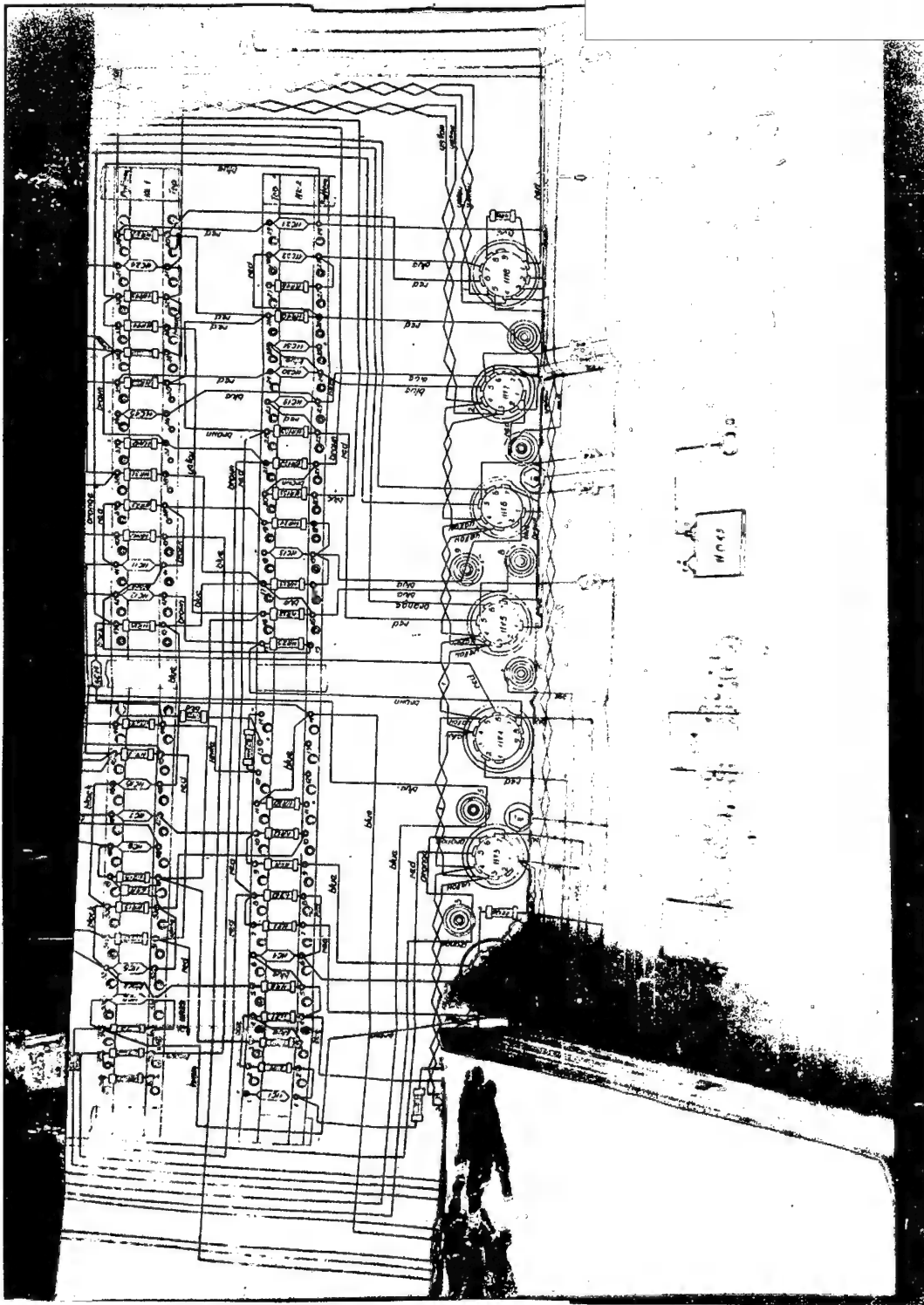


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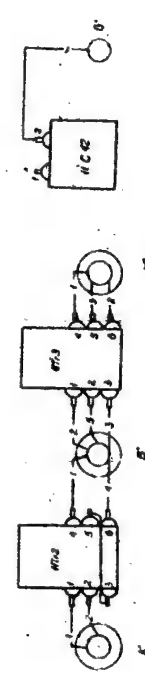
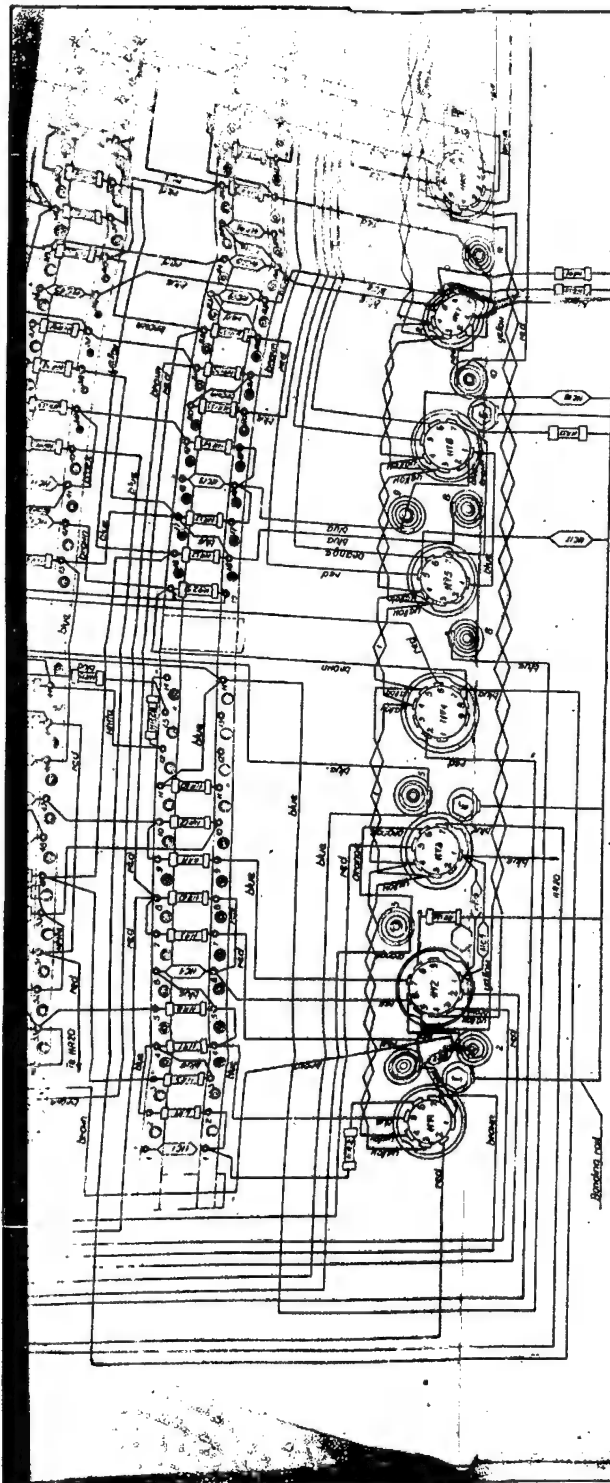
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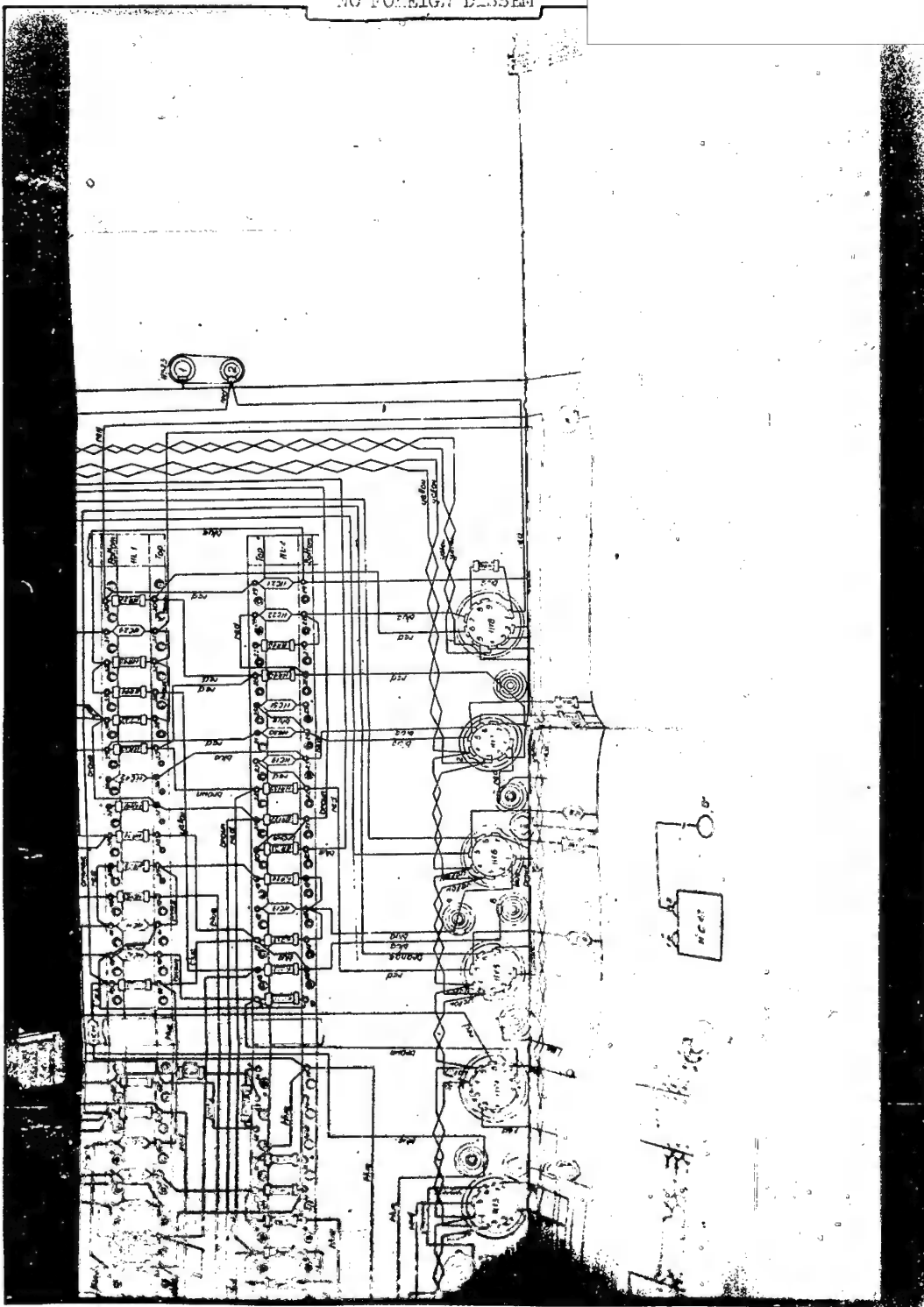


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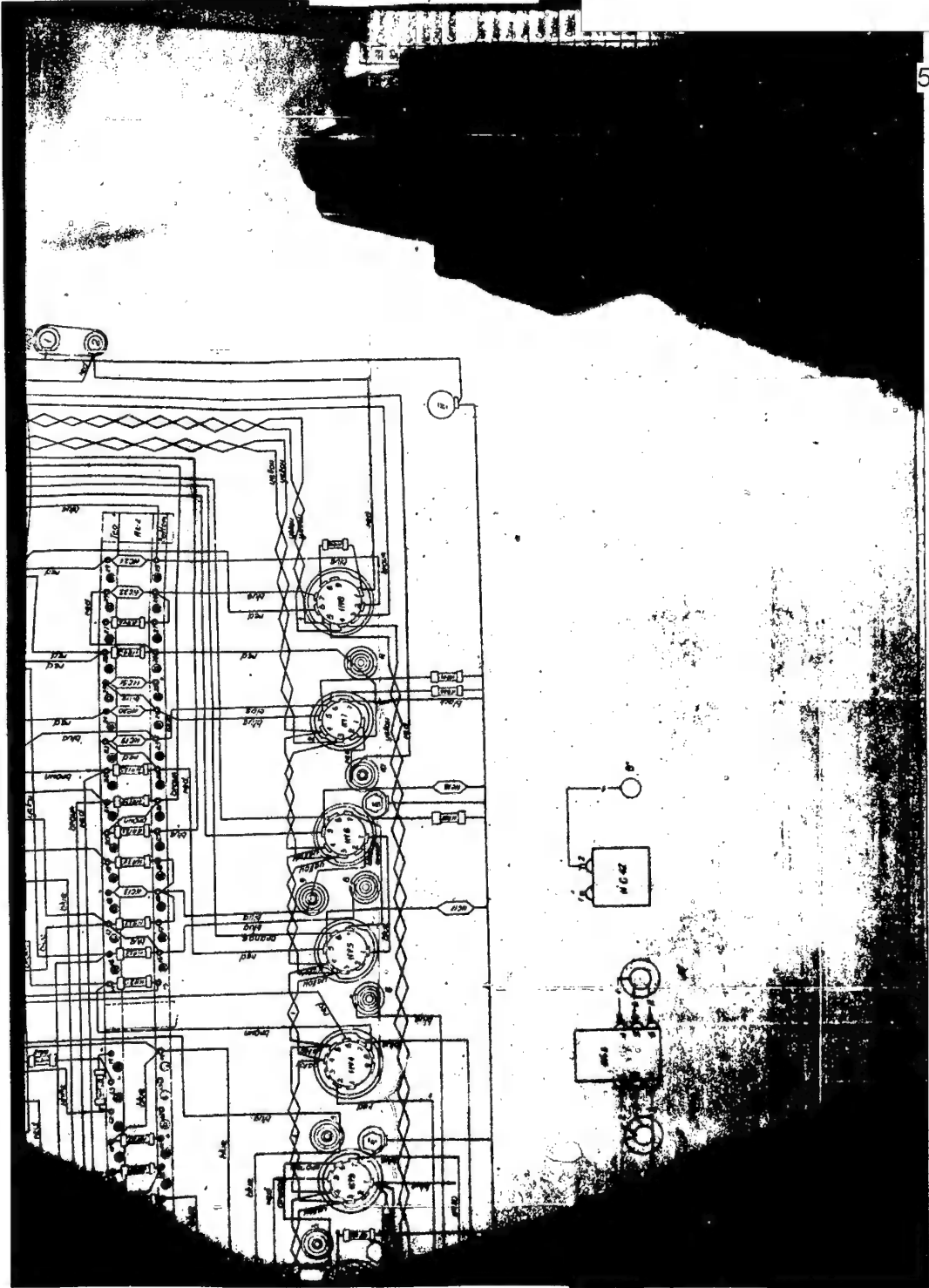


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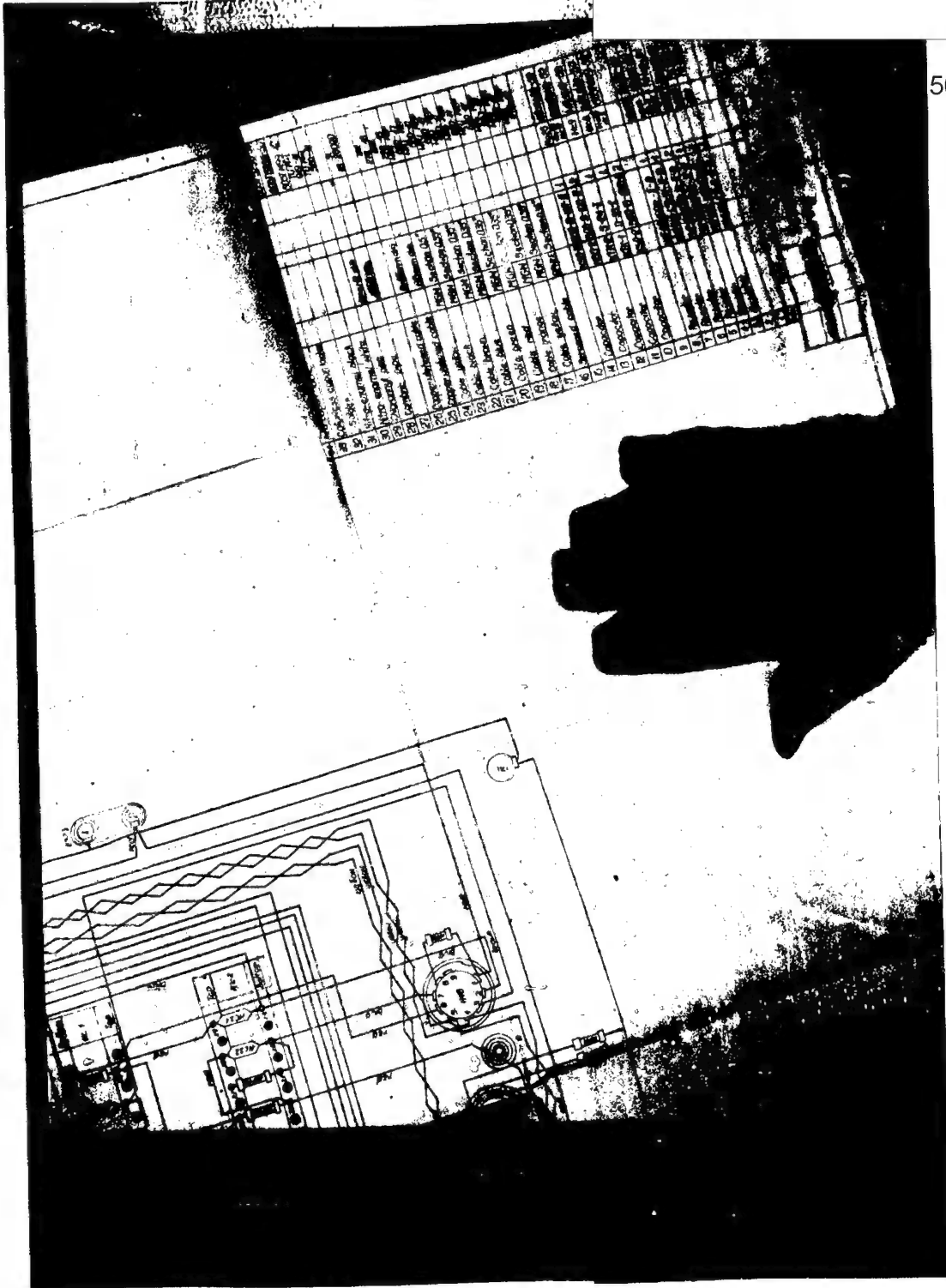


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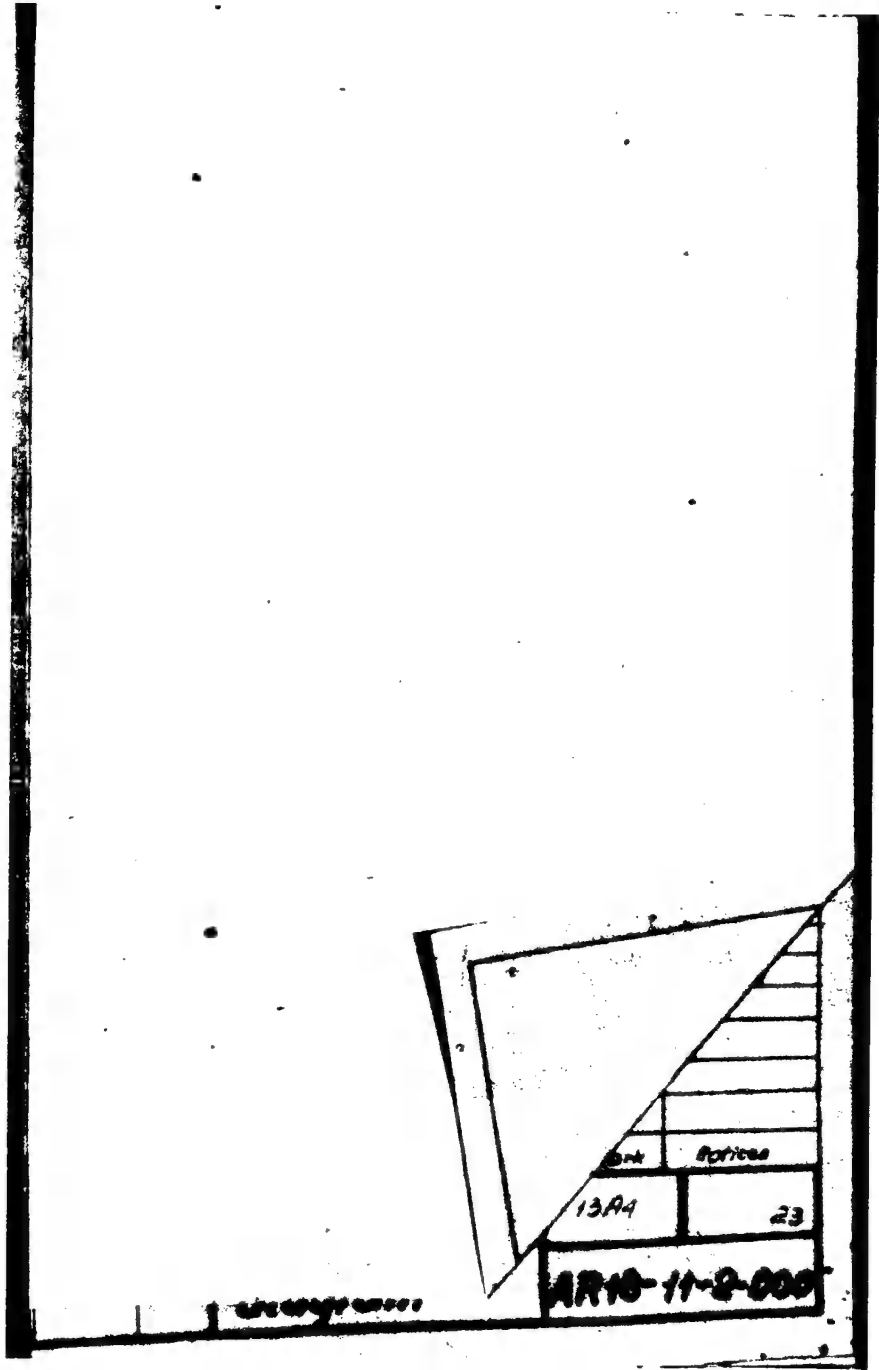


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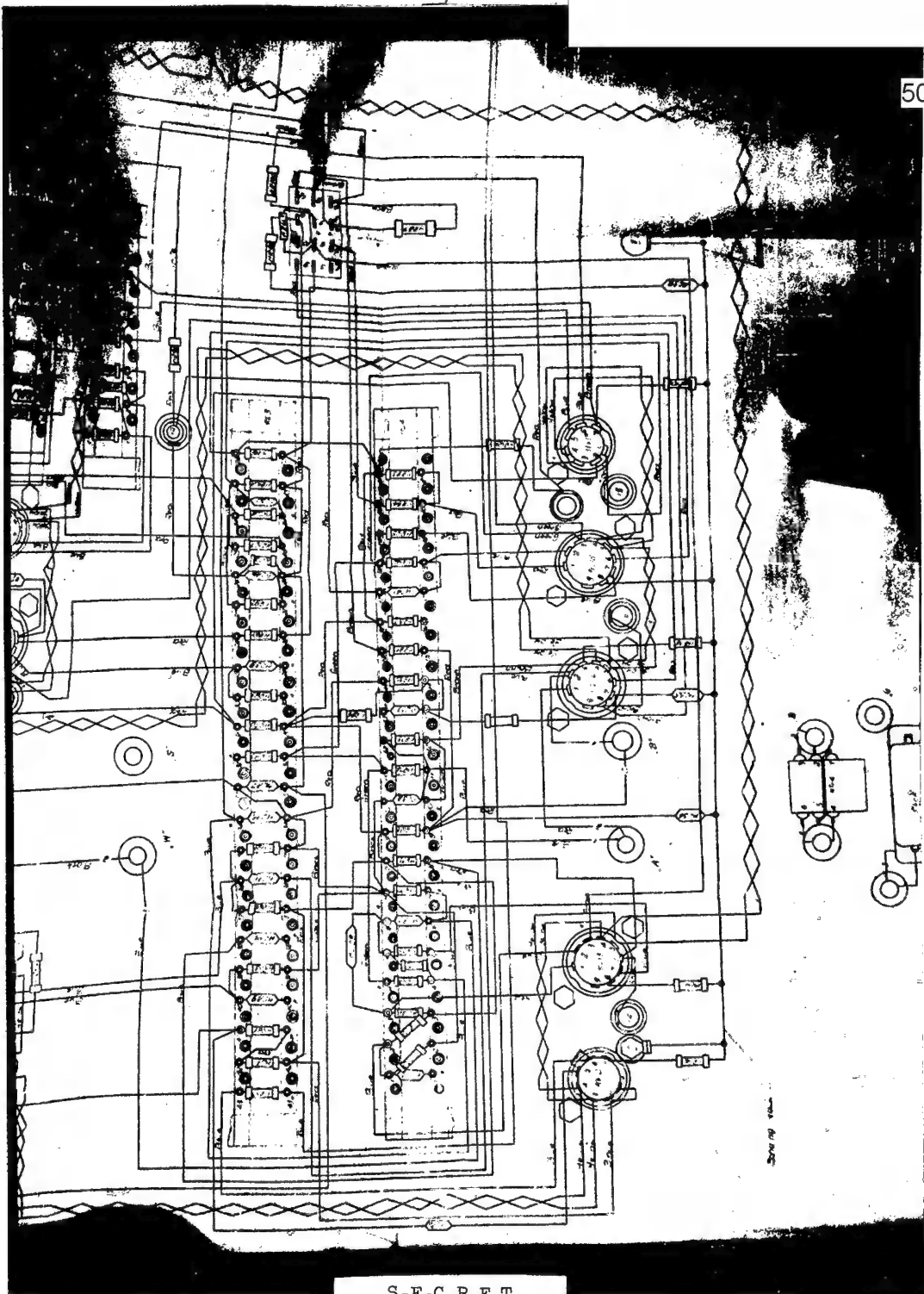
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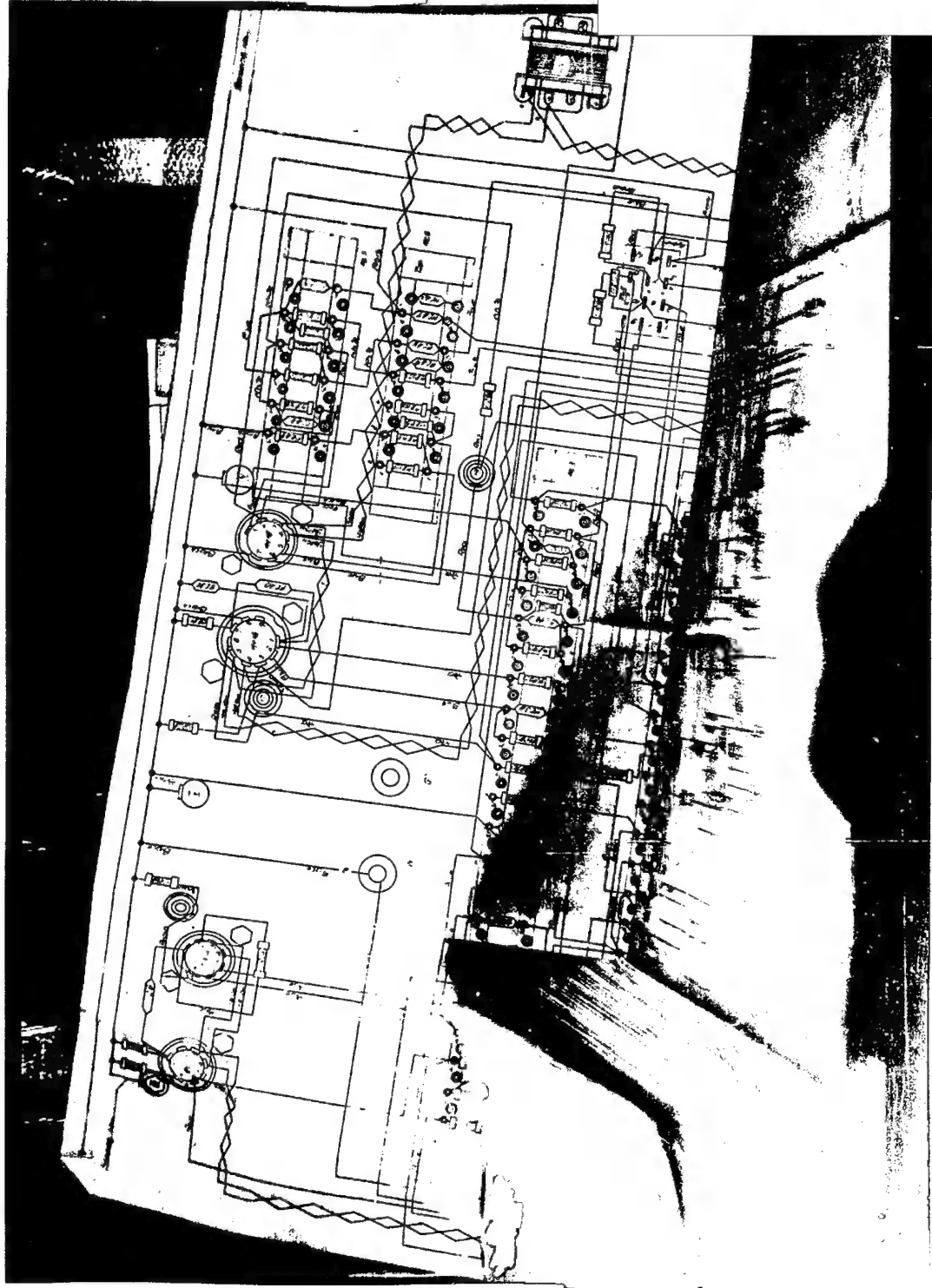
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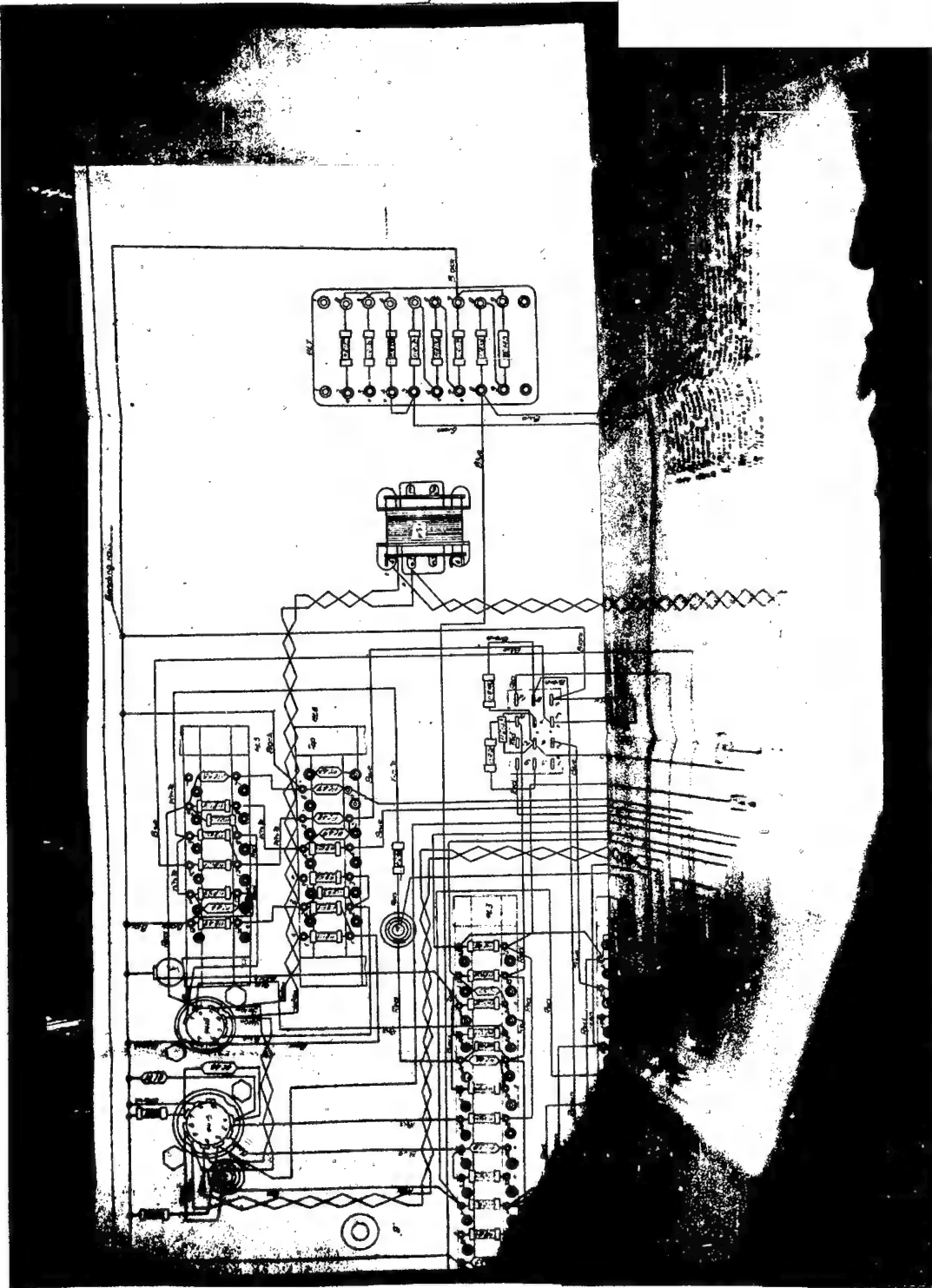


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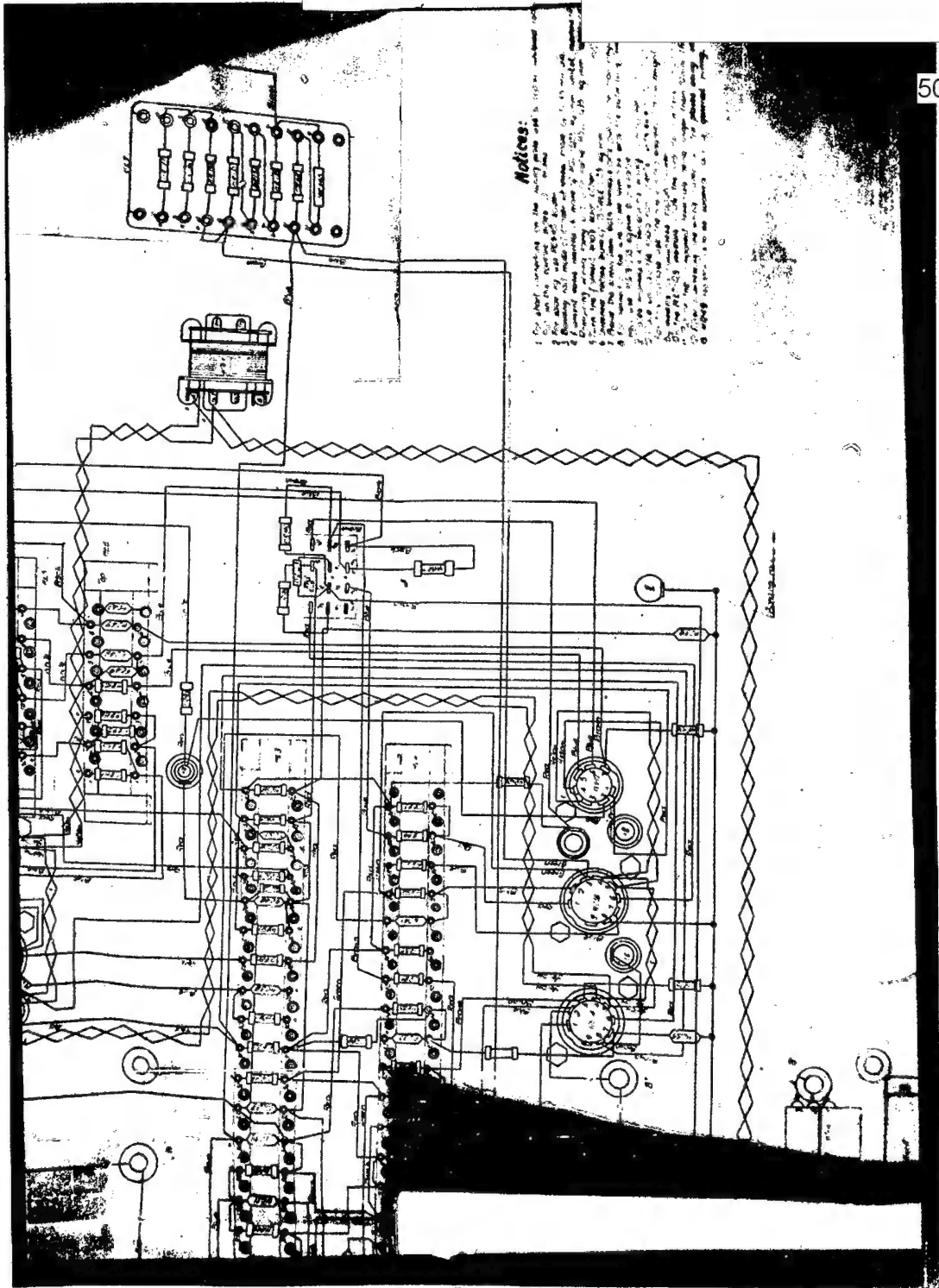
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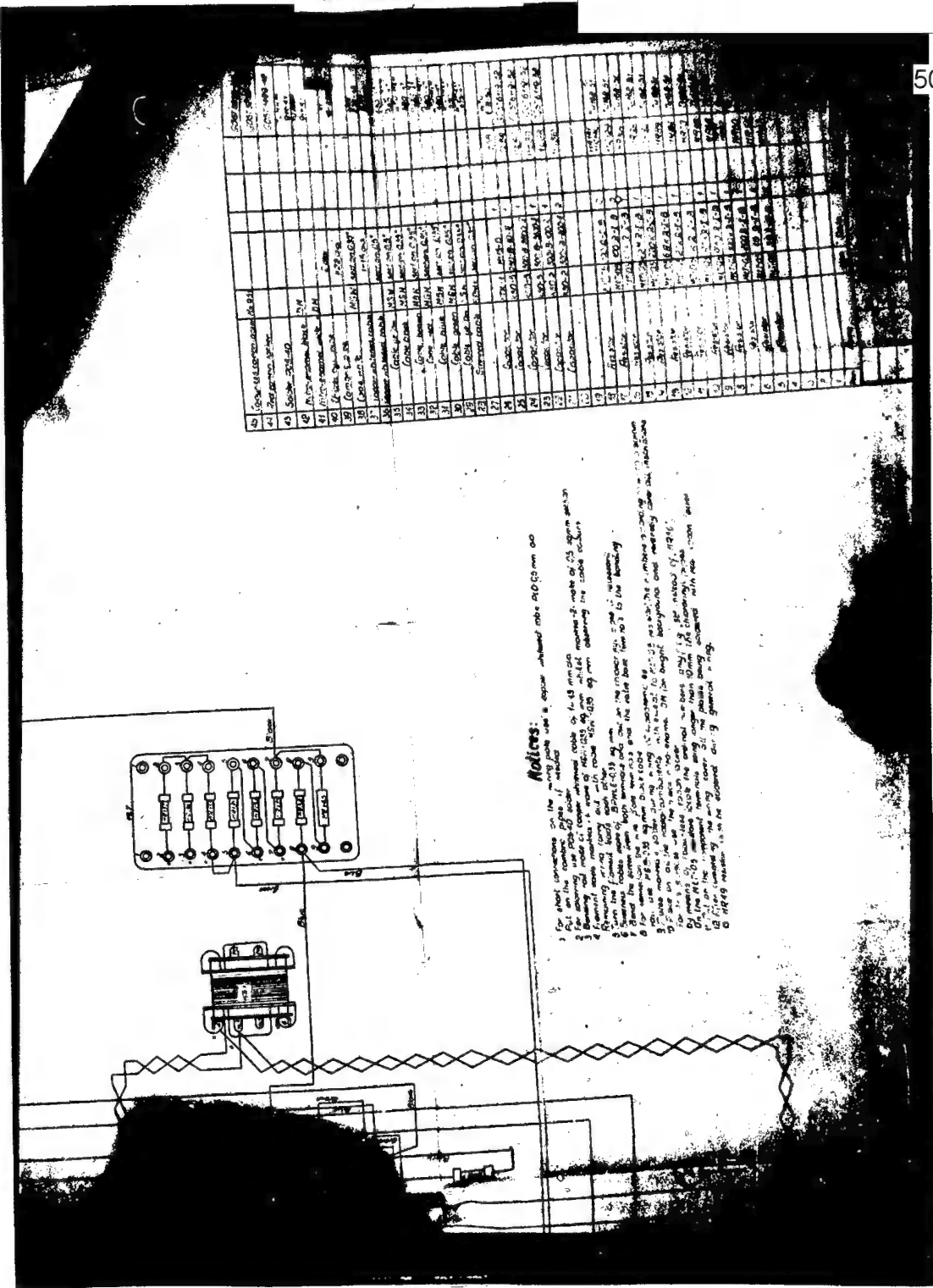
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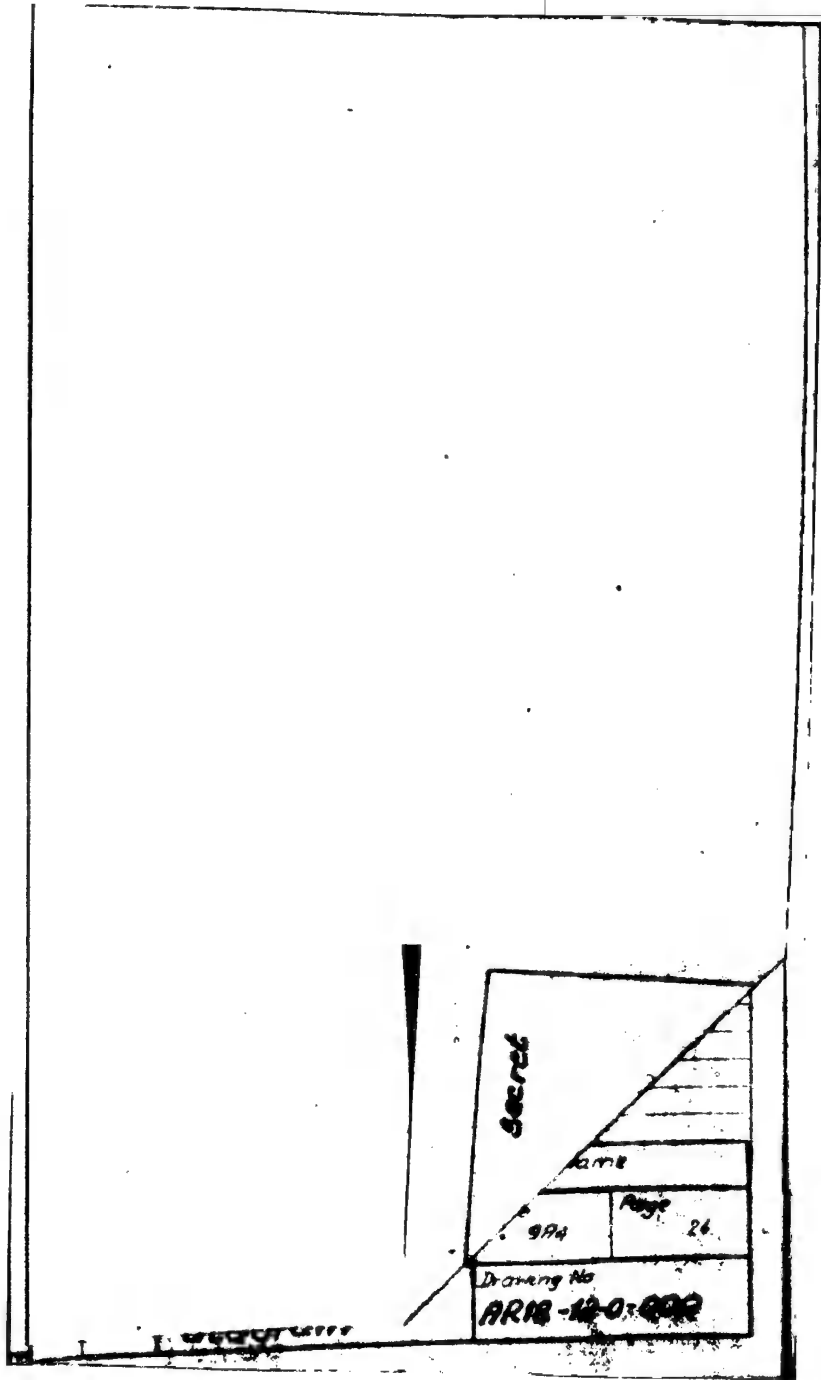
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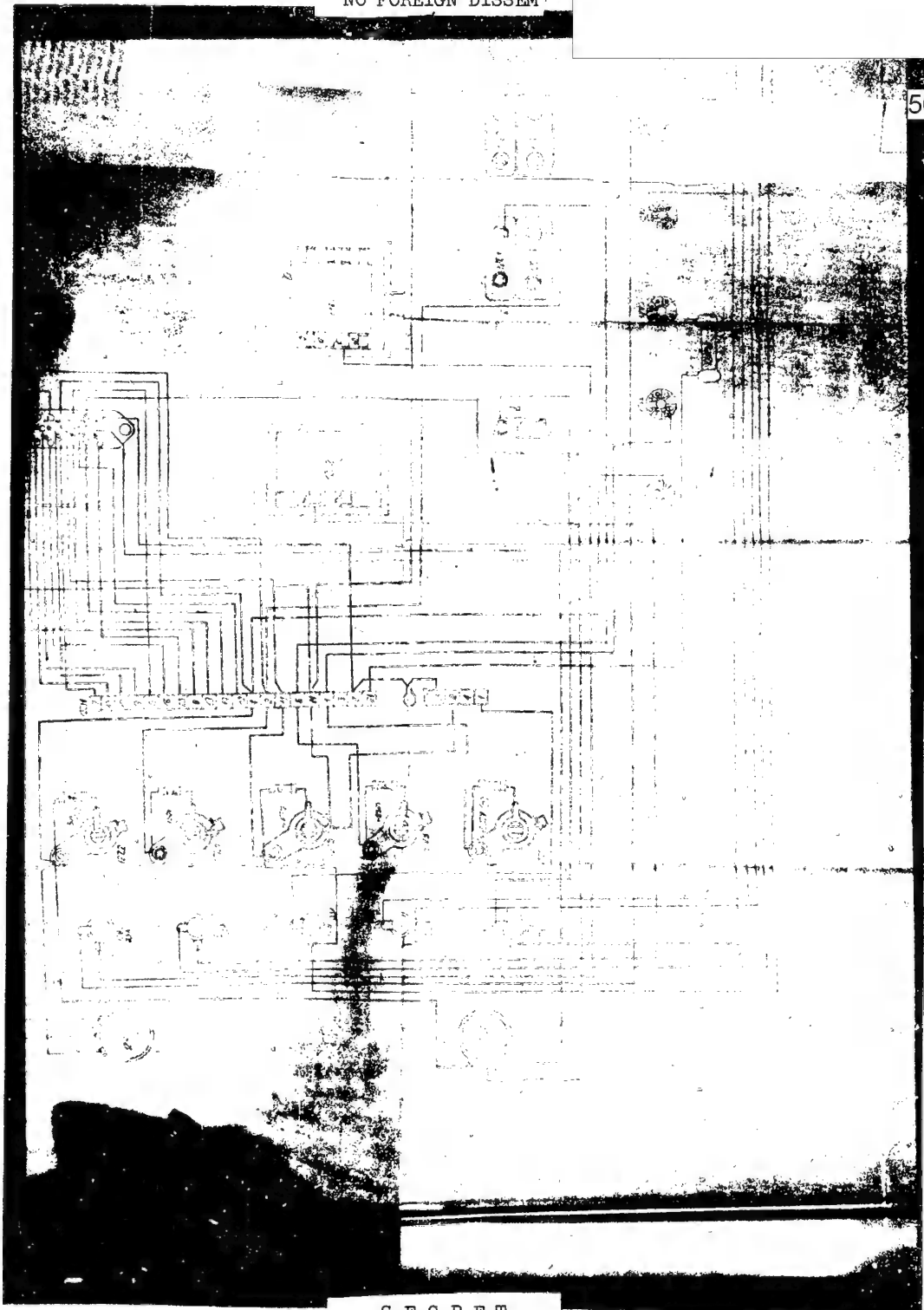
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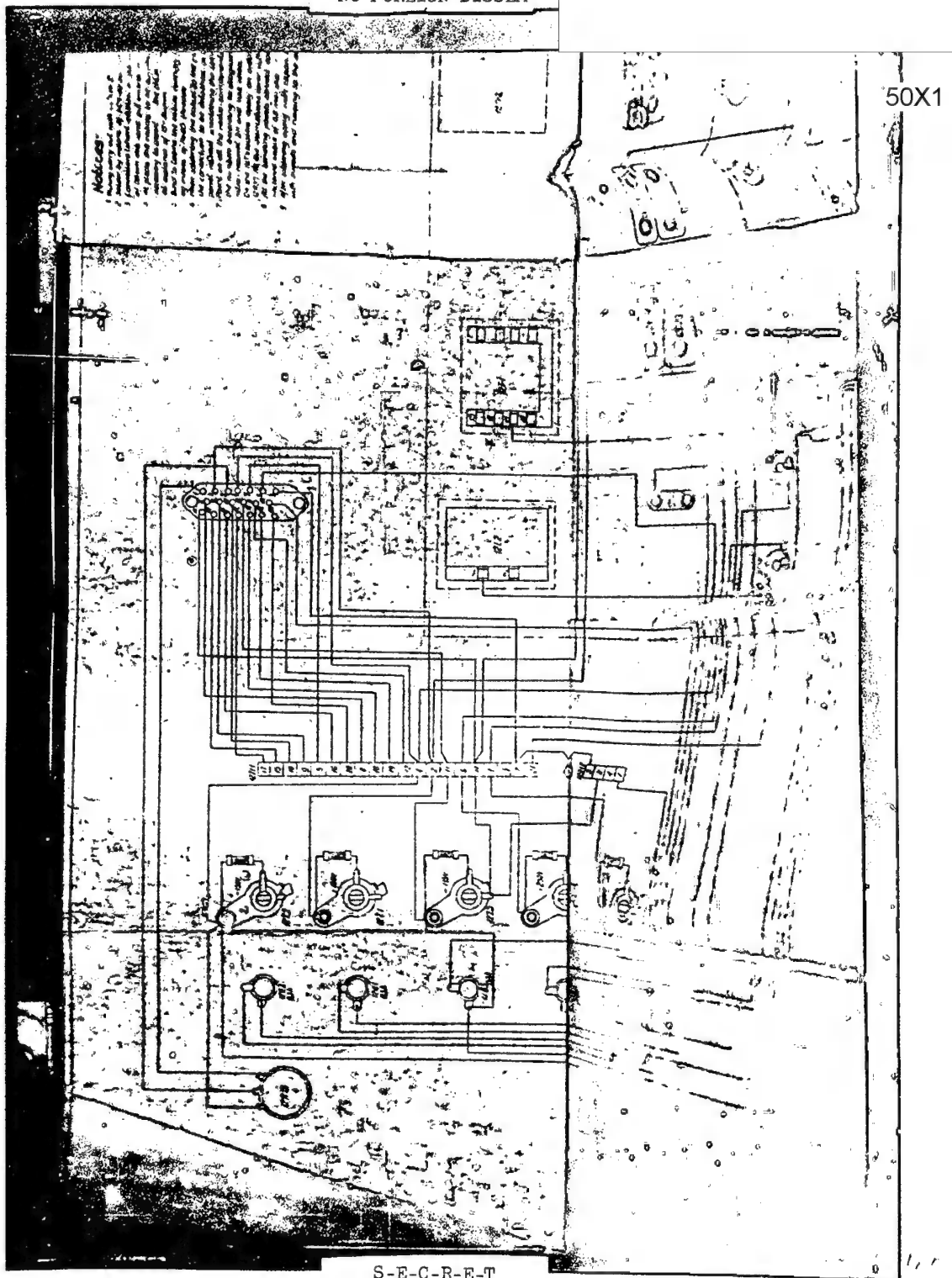
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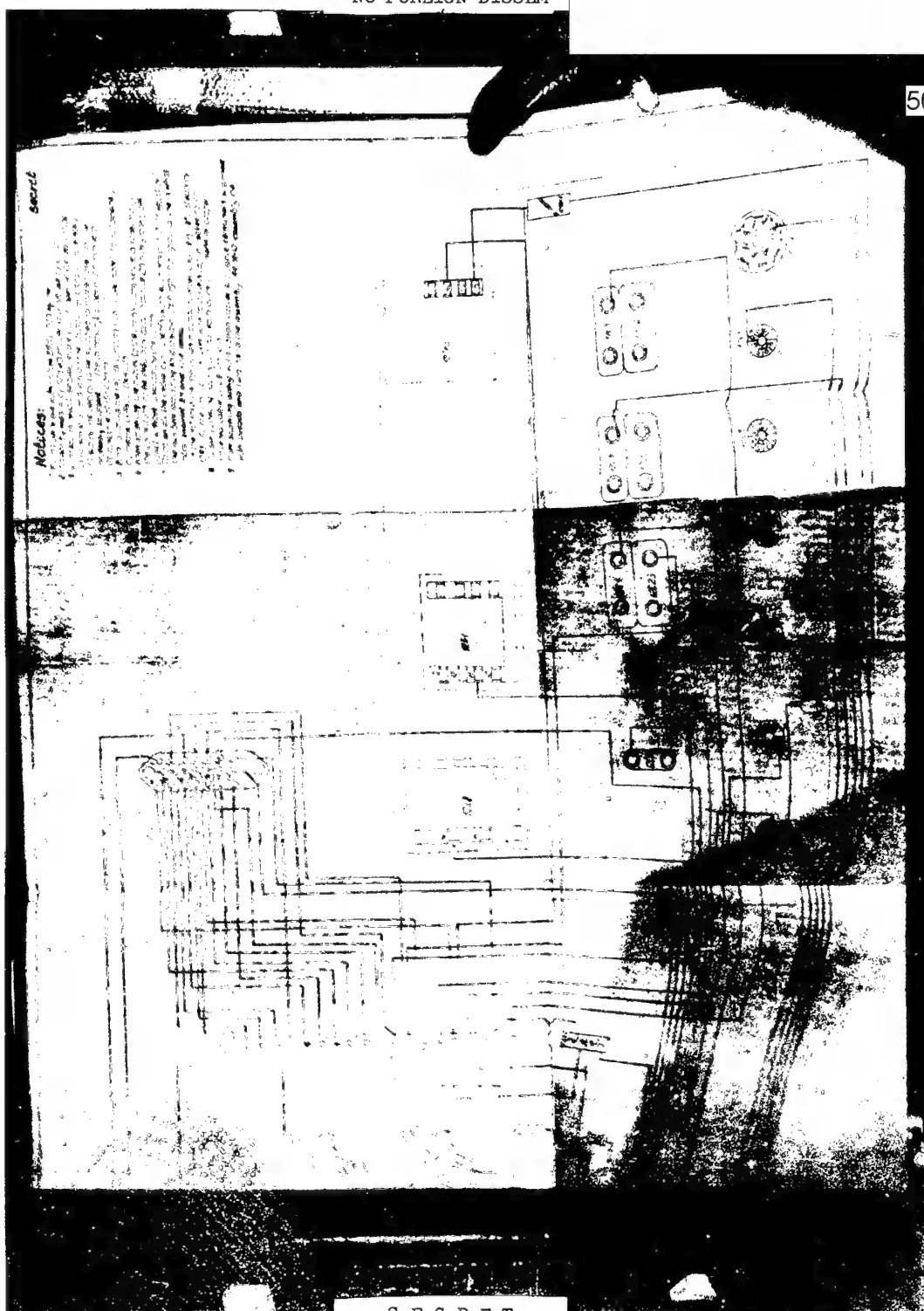
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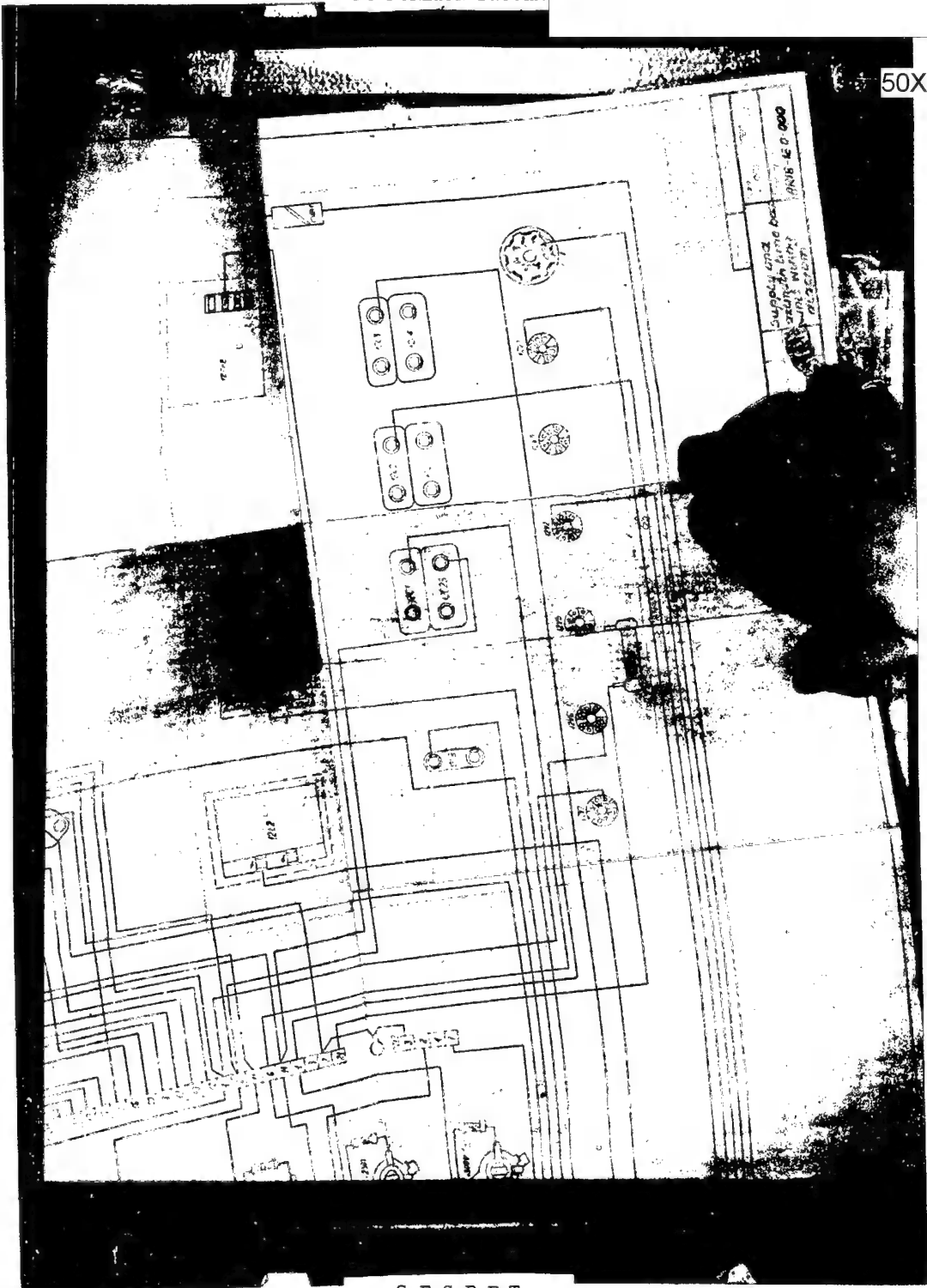
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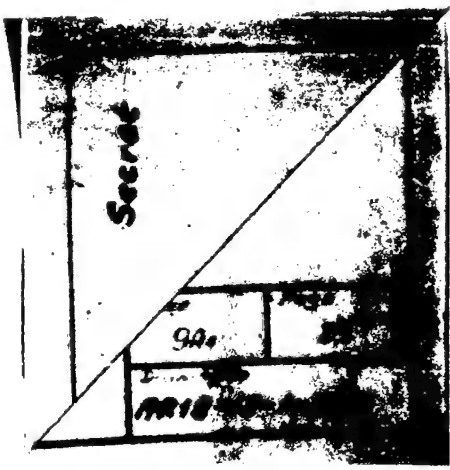


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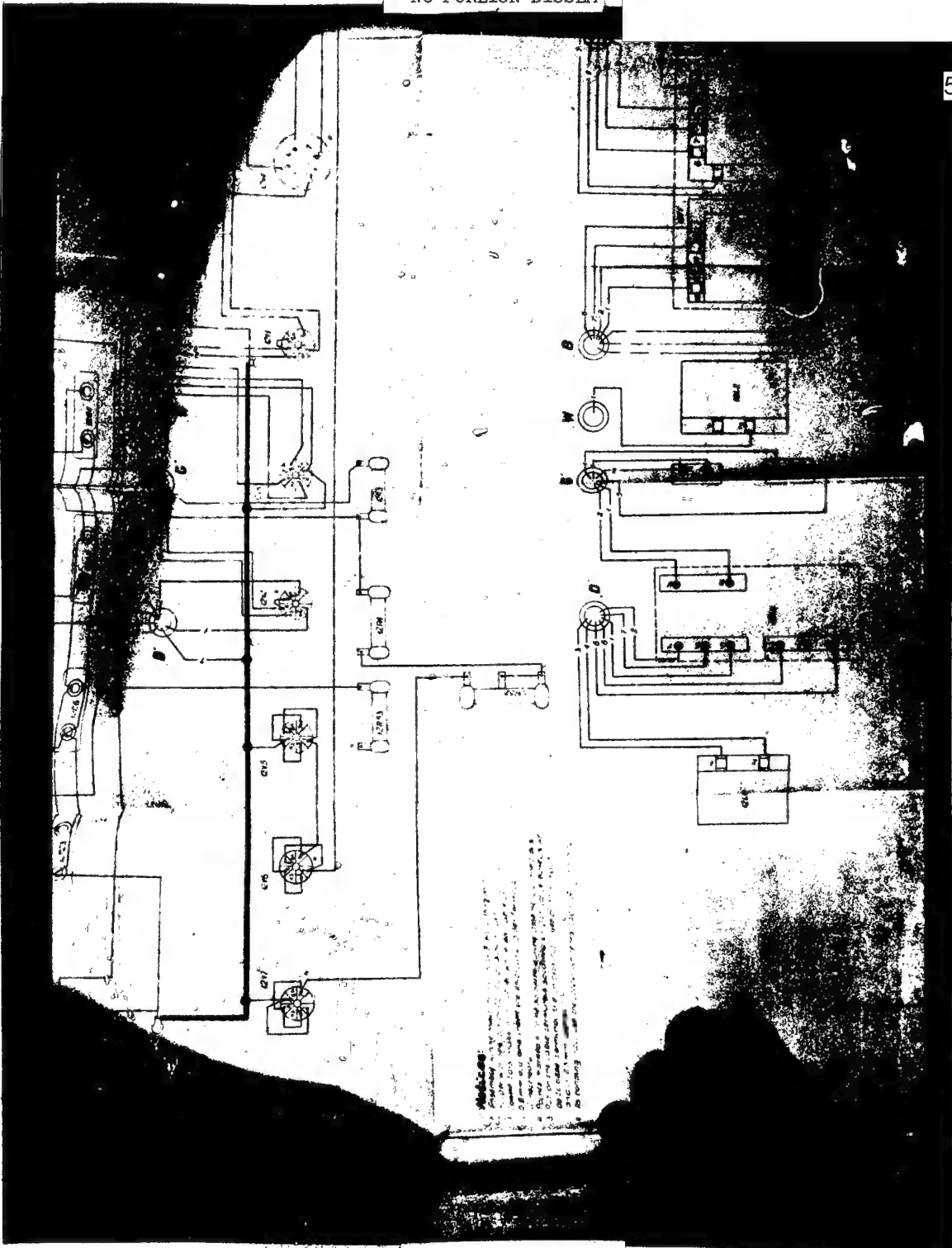
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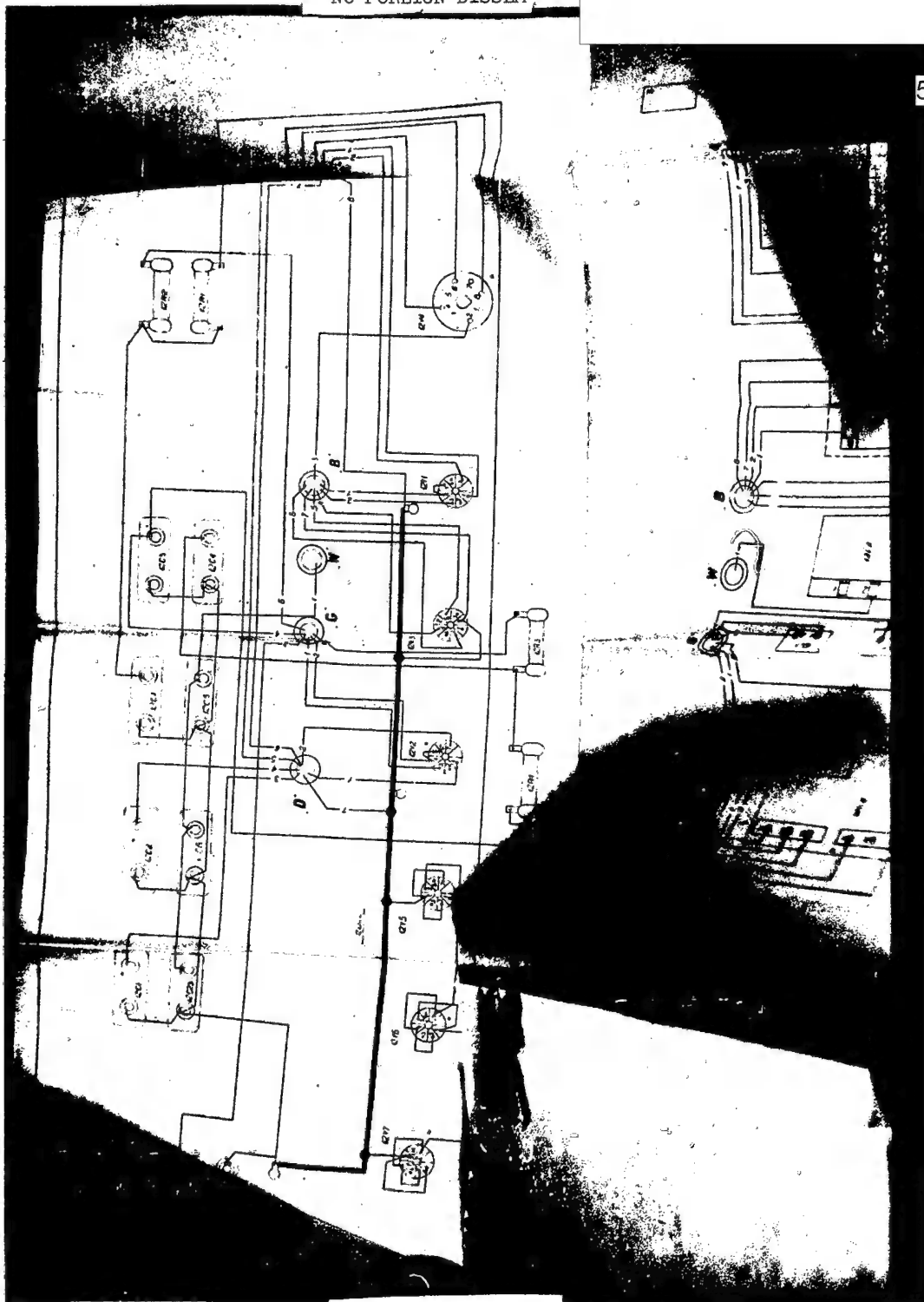
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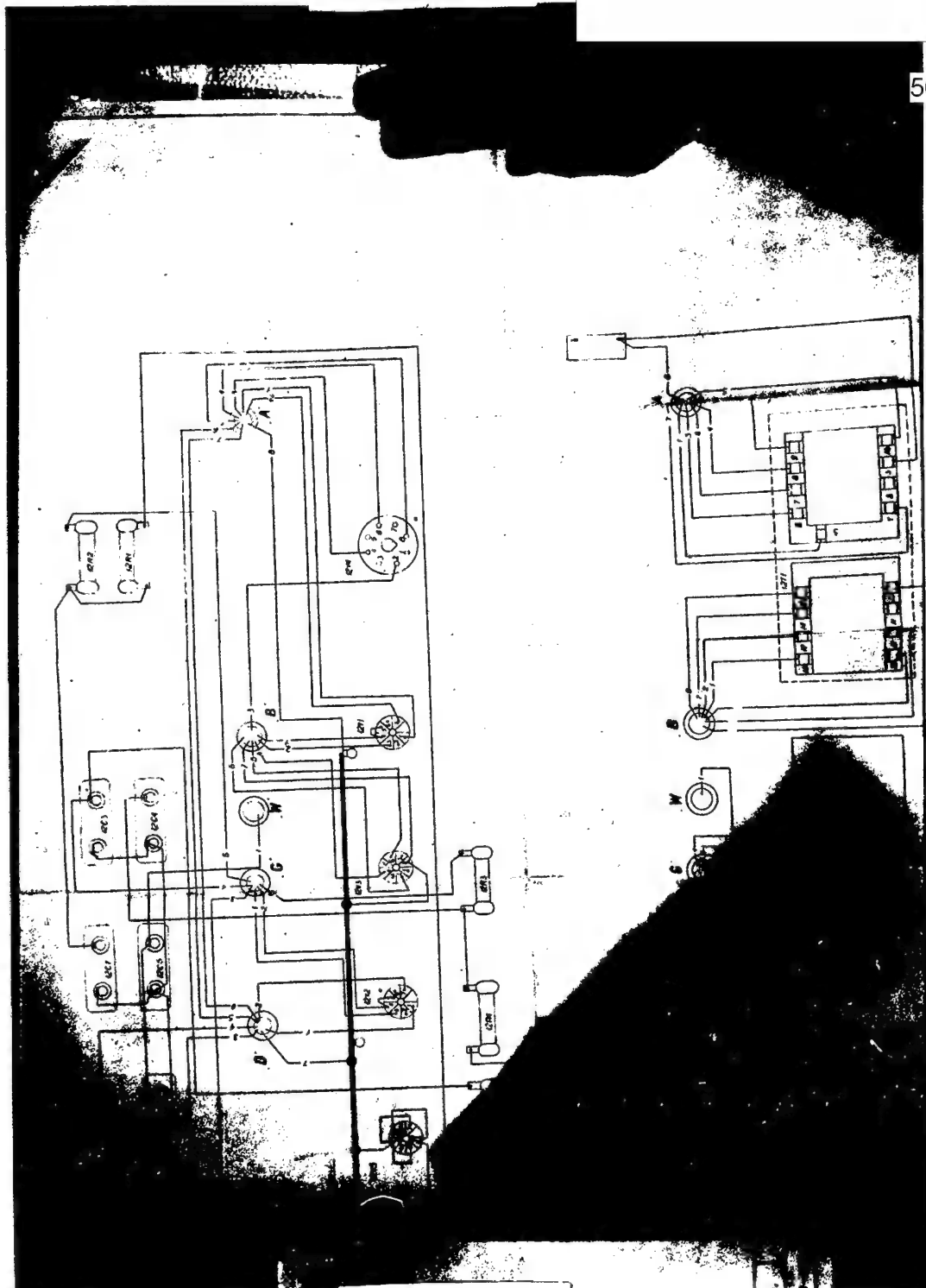


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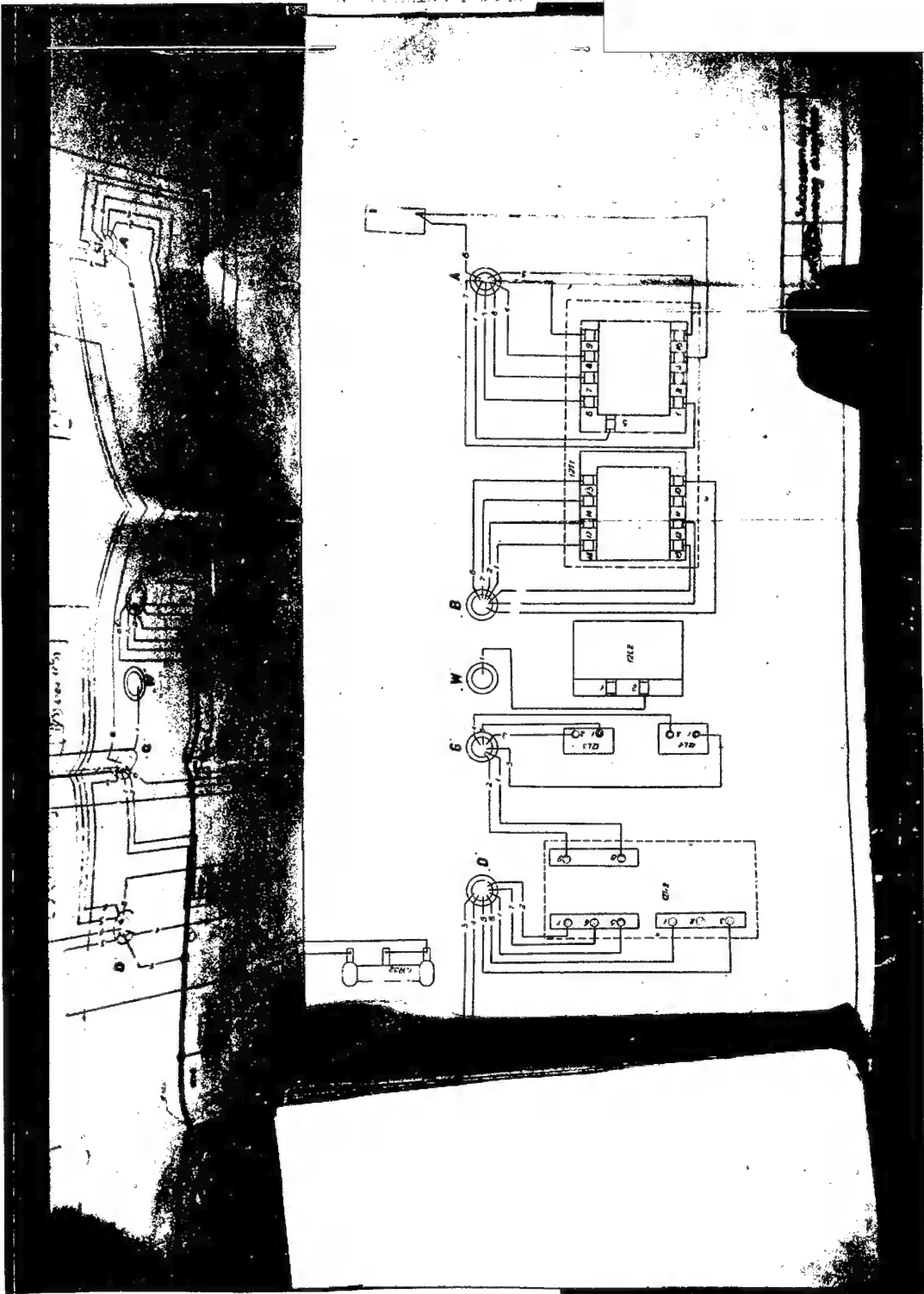
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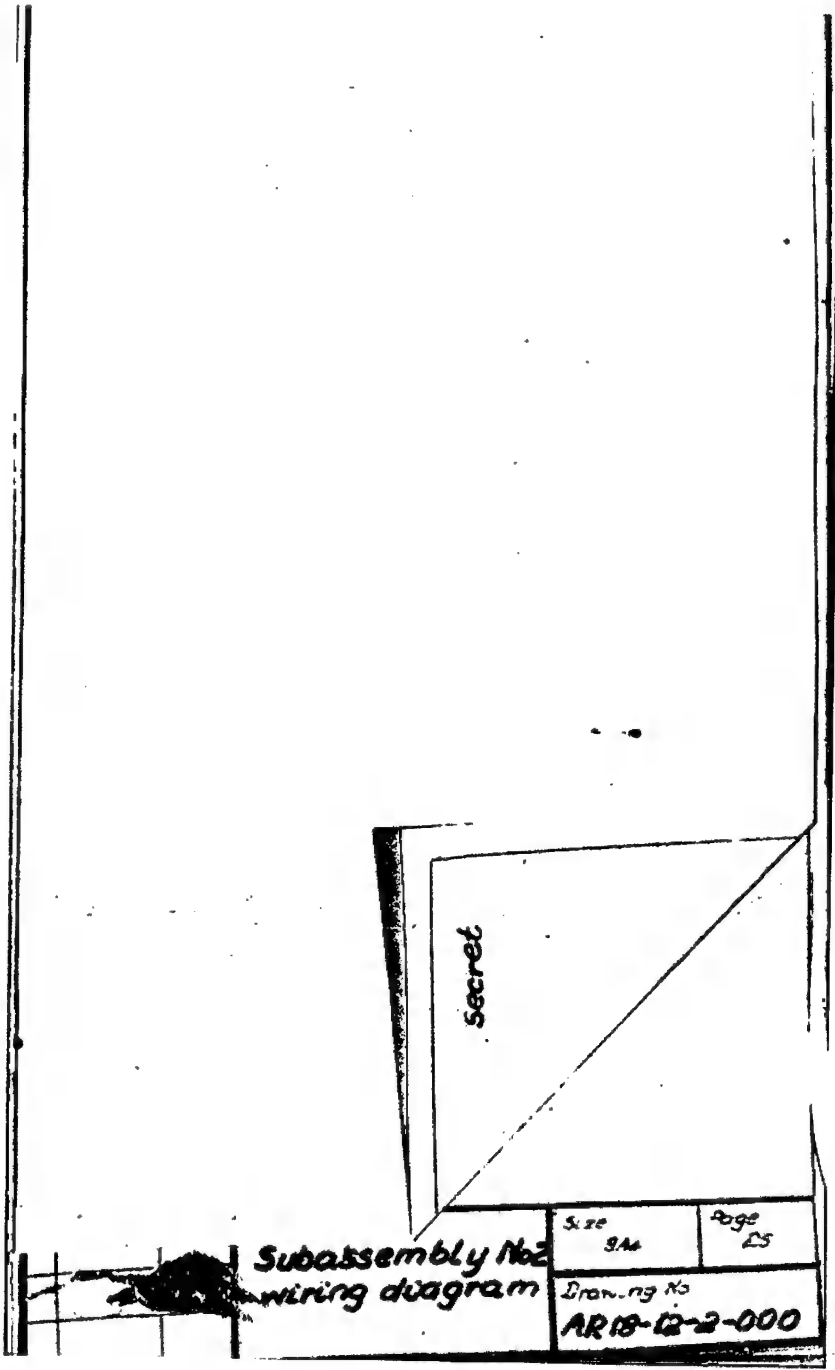
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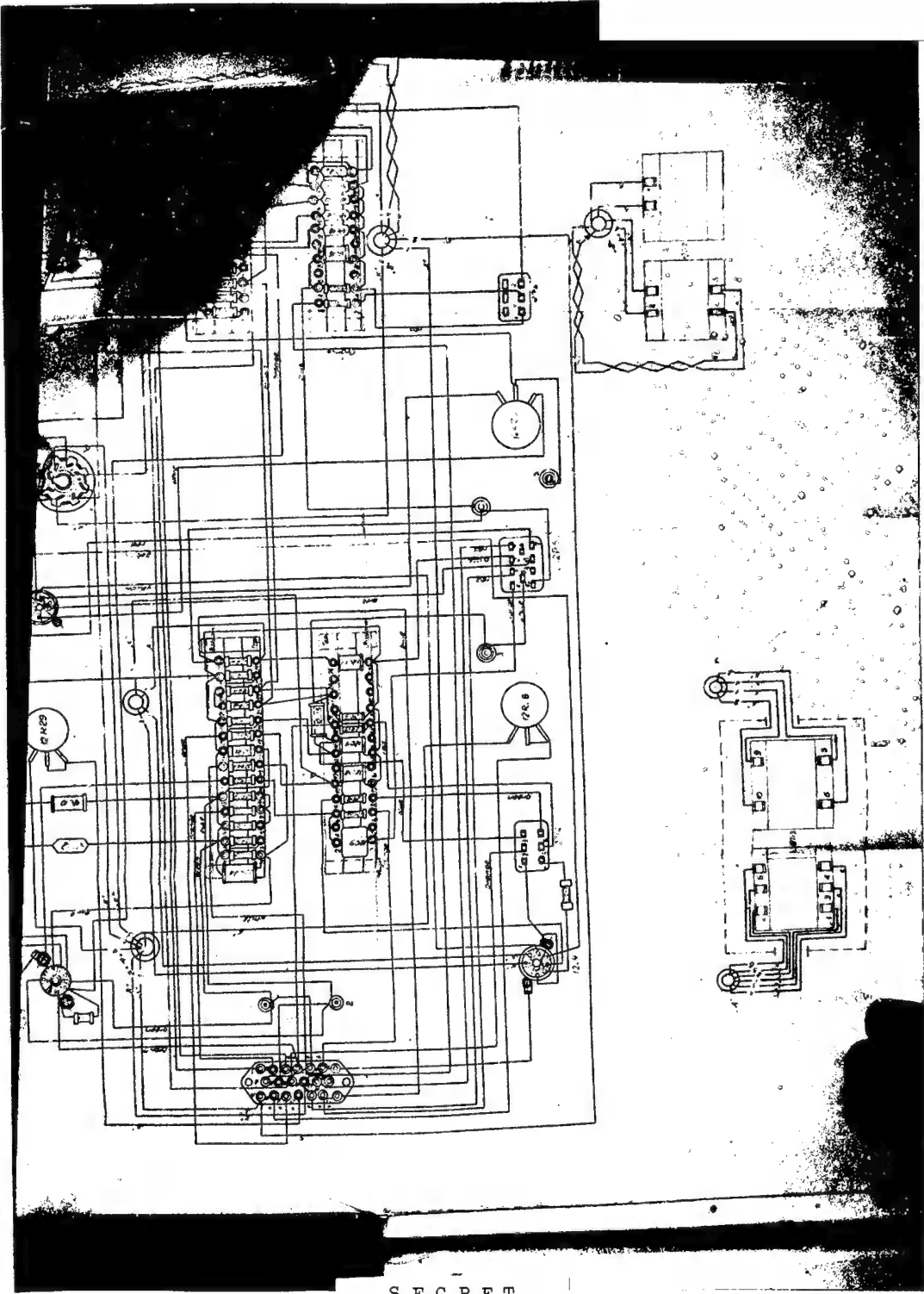
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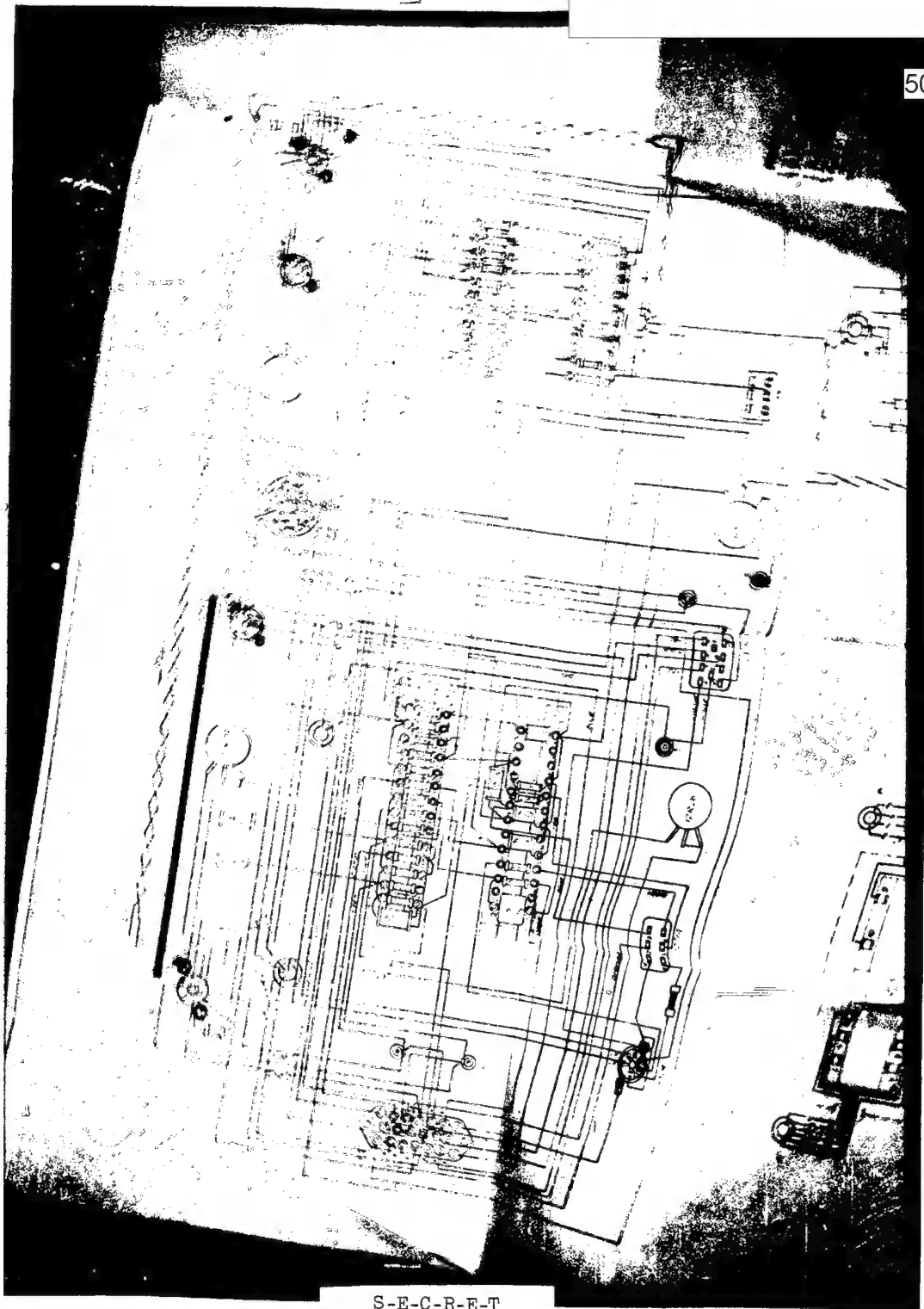
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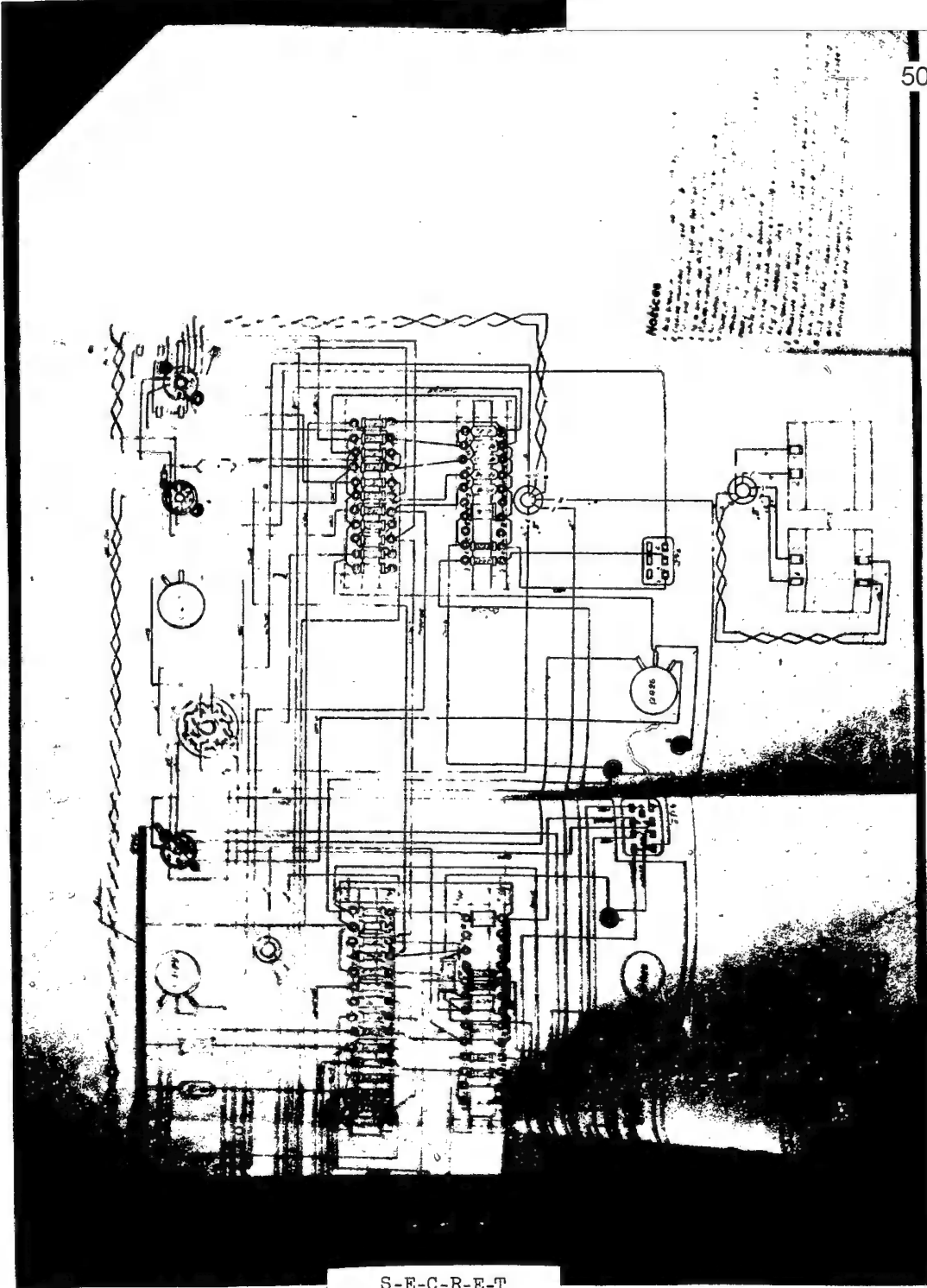
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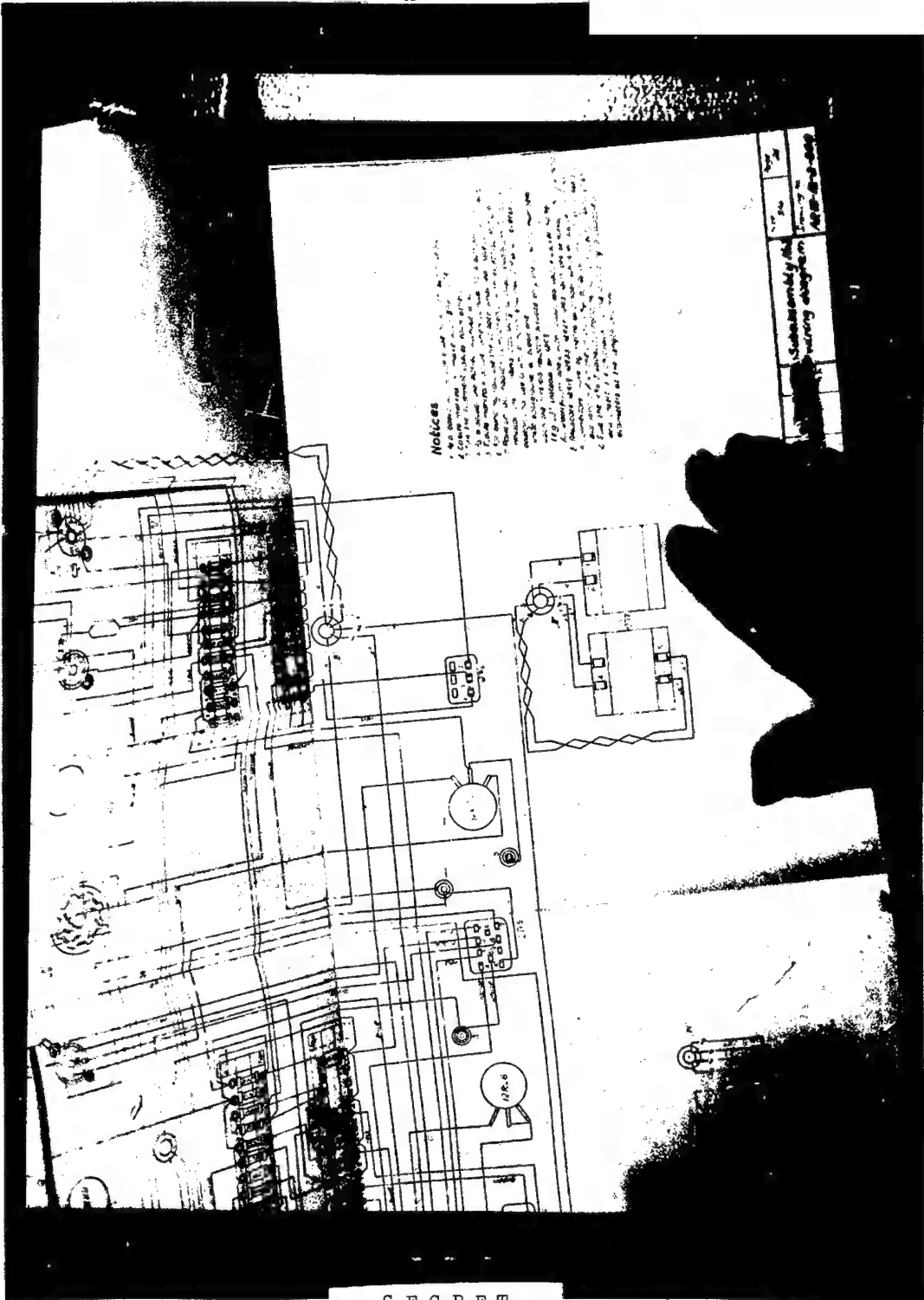
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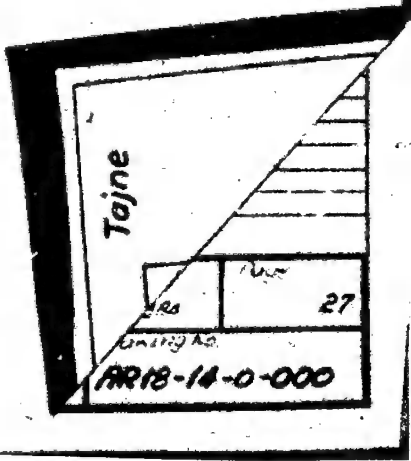
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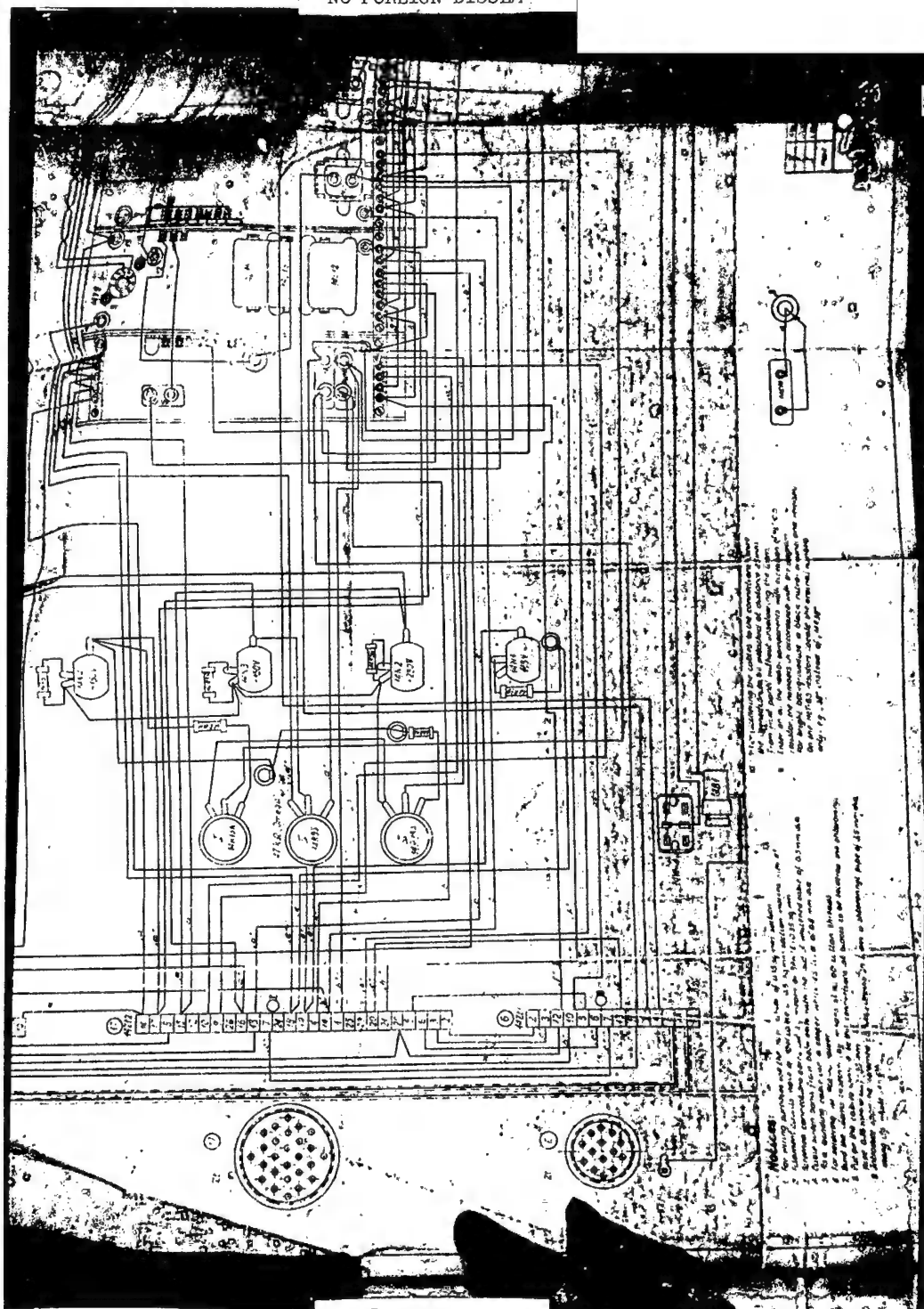
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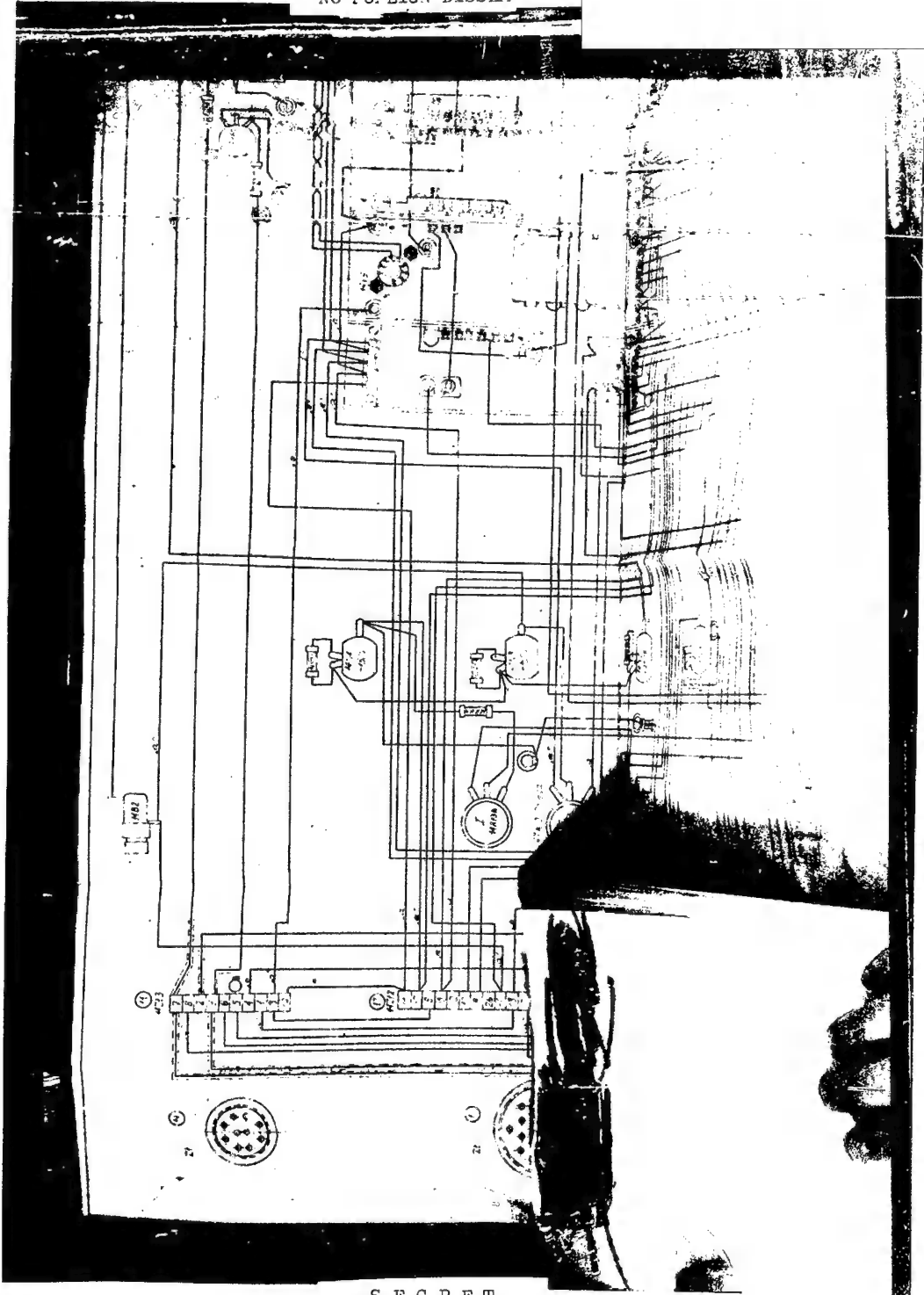
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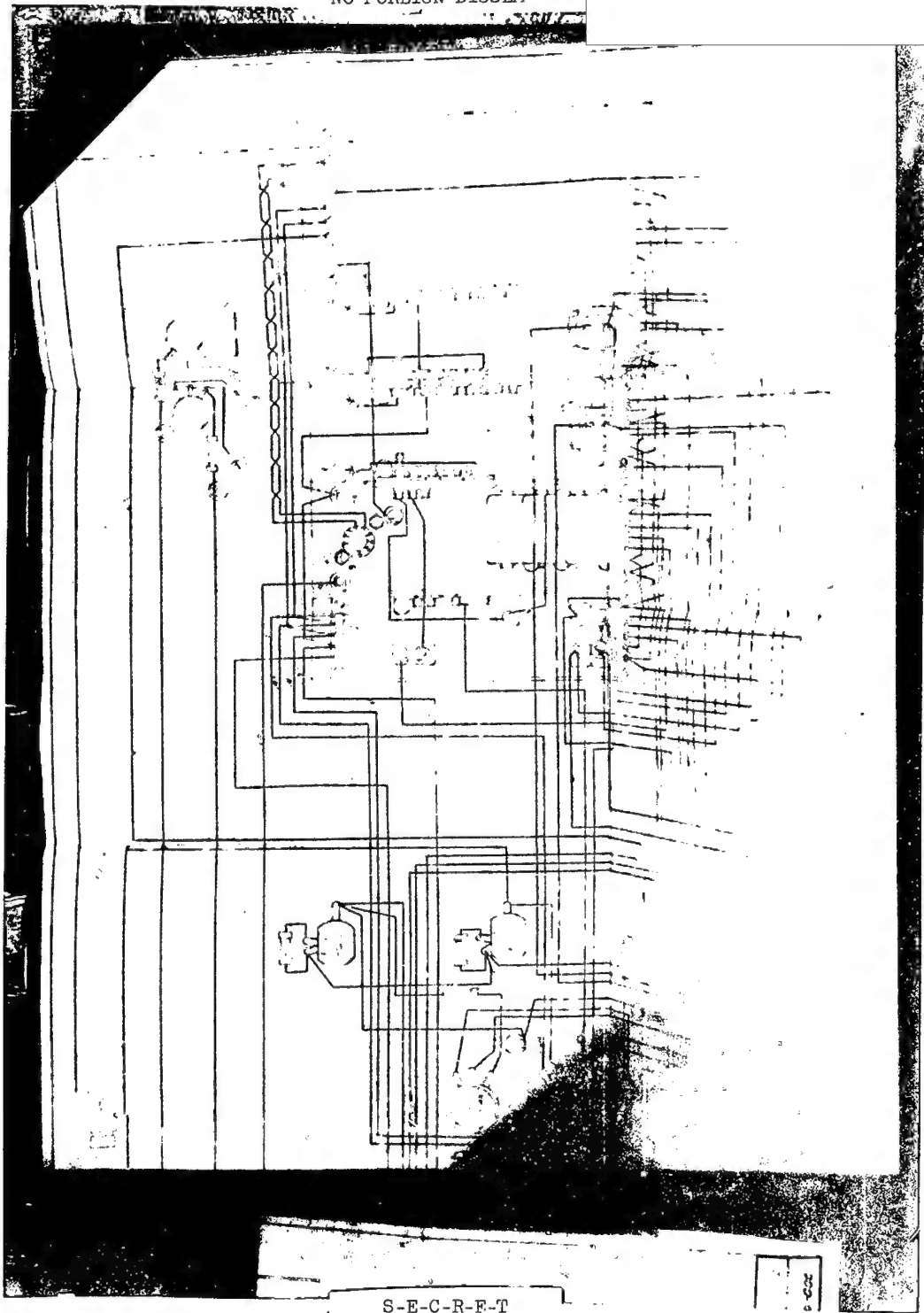


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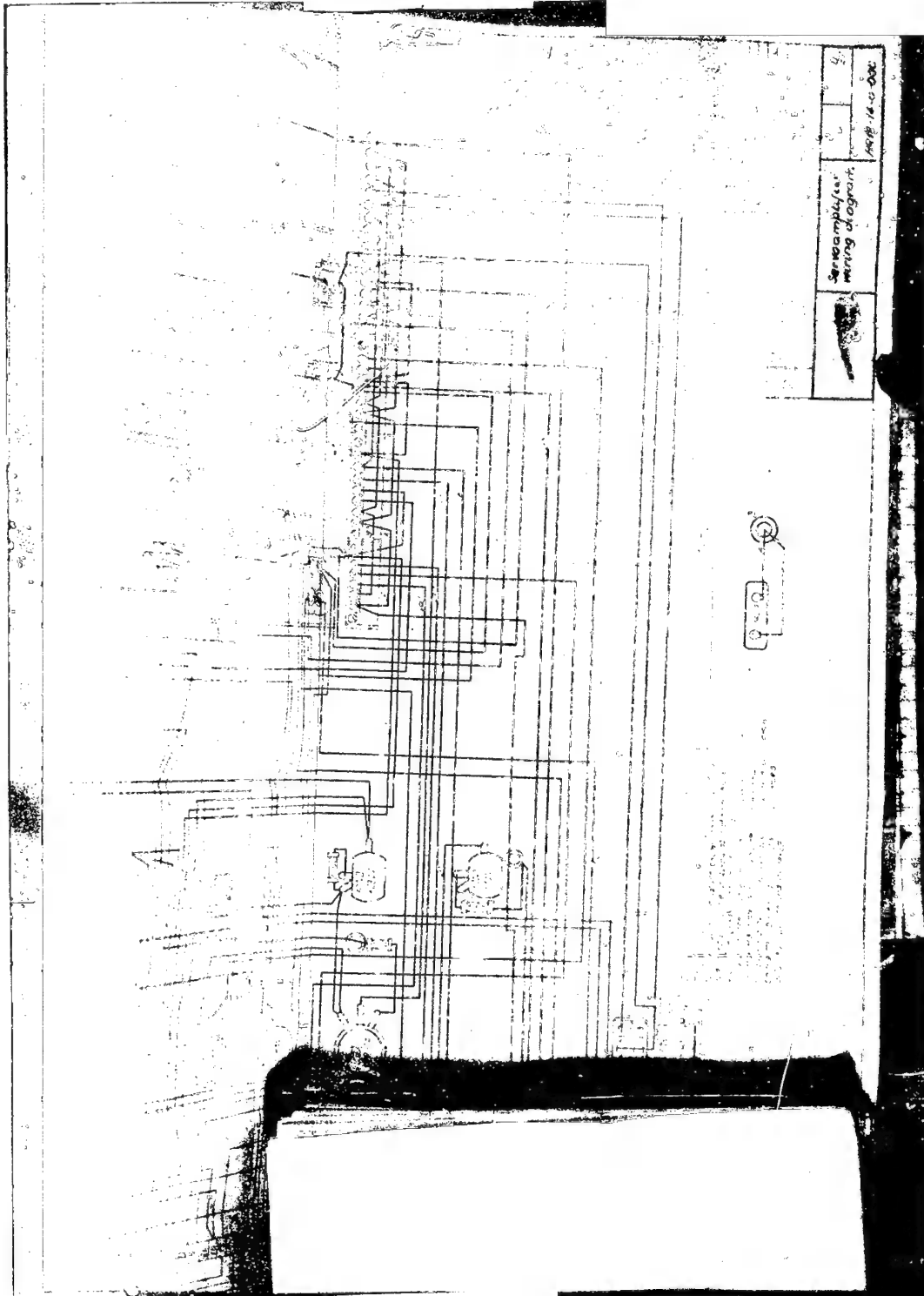
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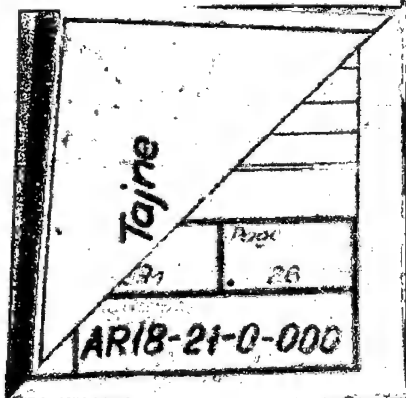
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Serial number  
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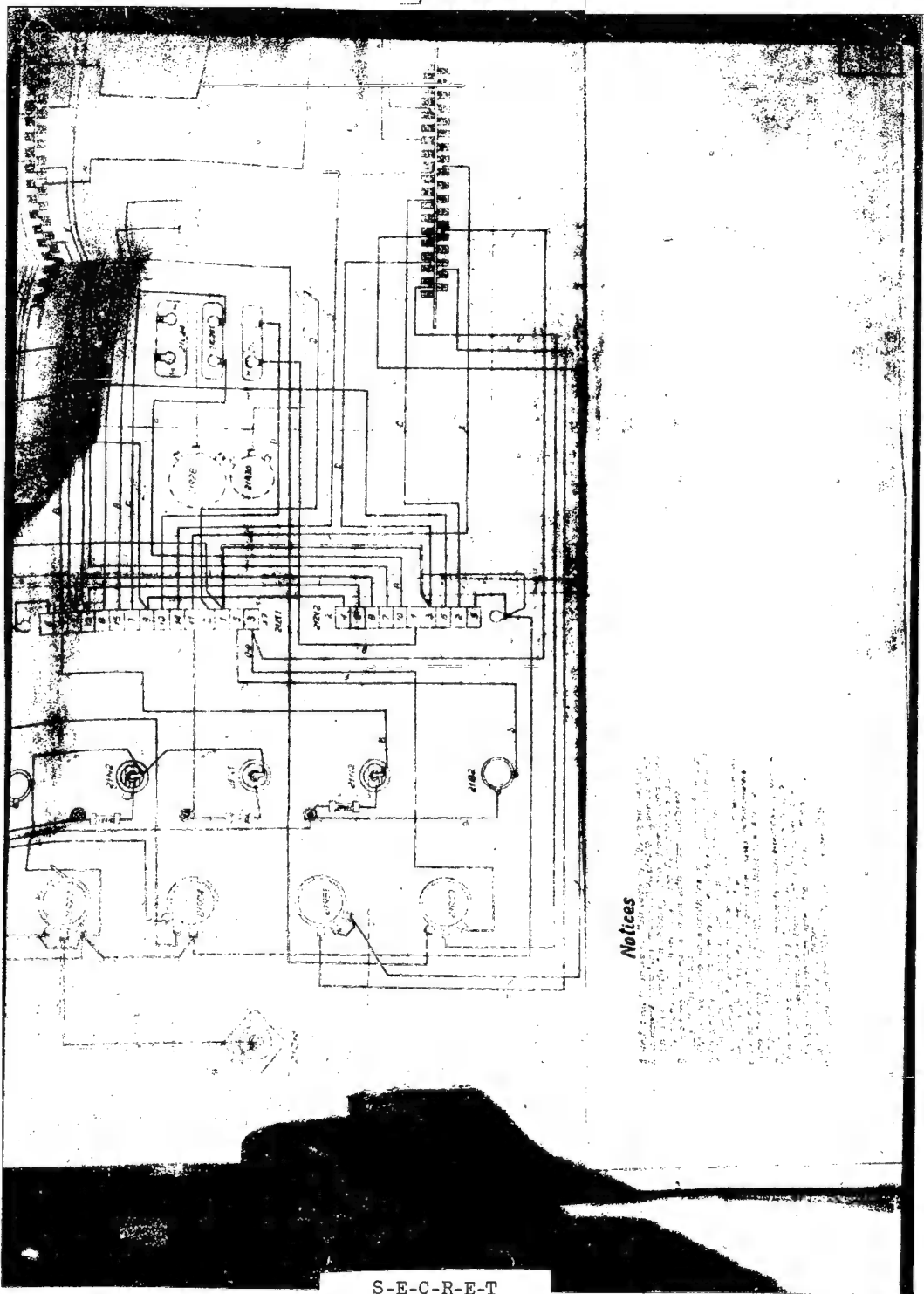
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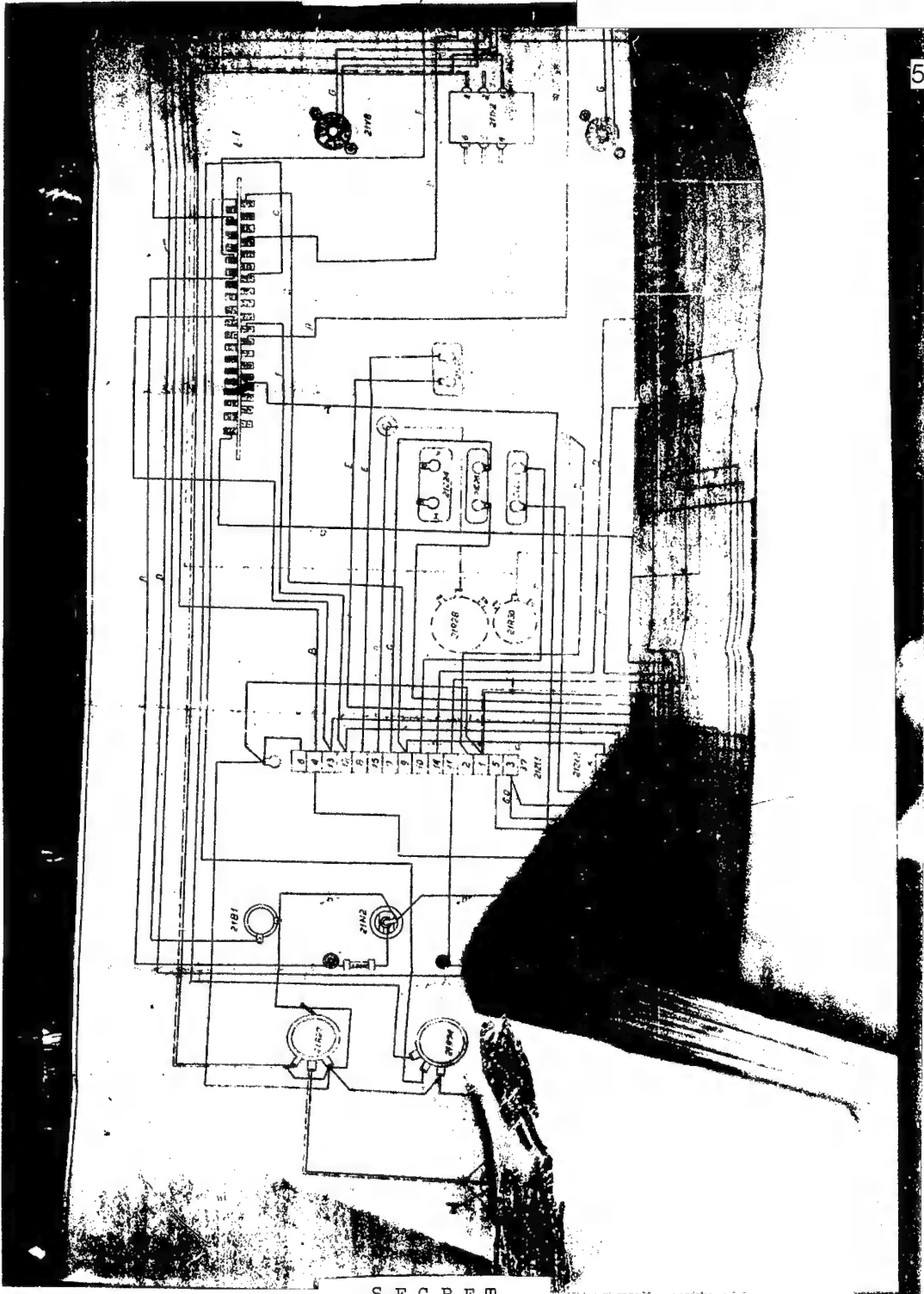
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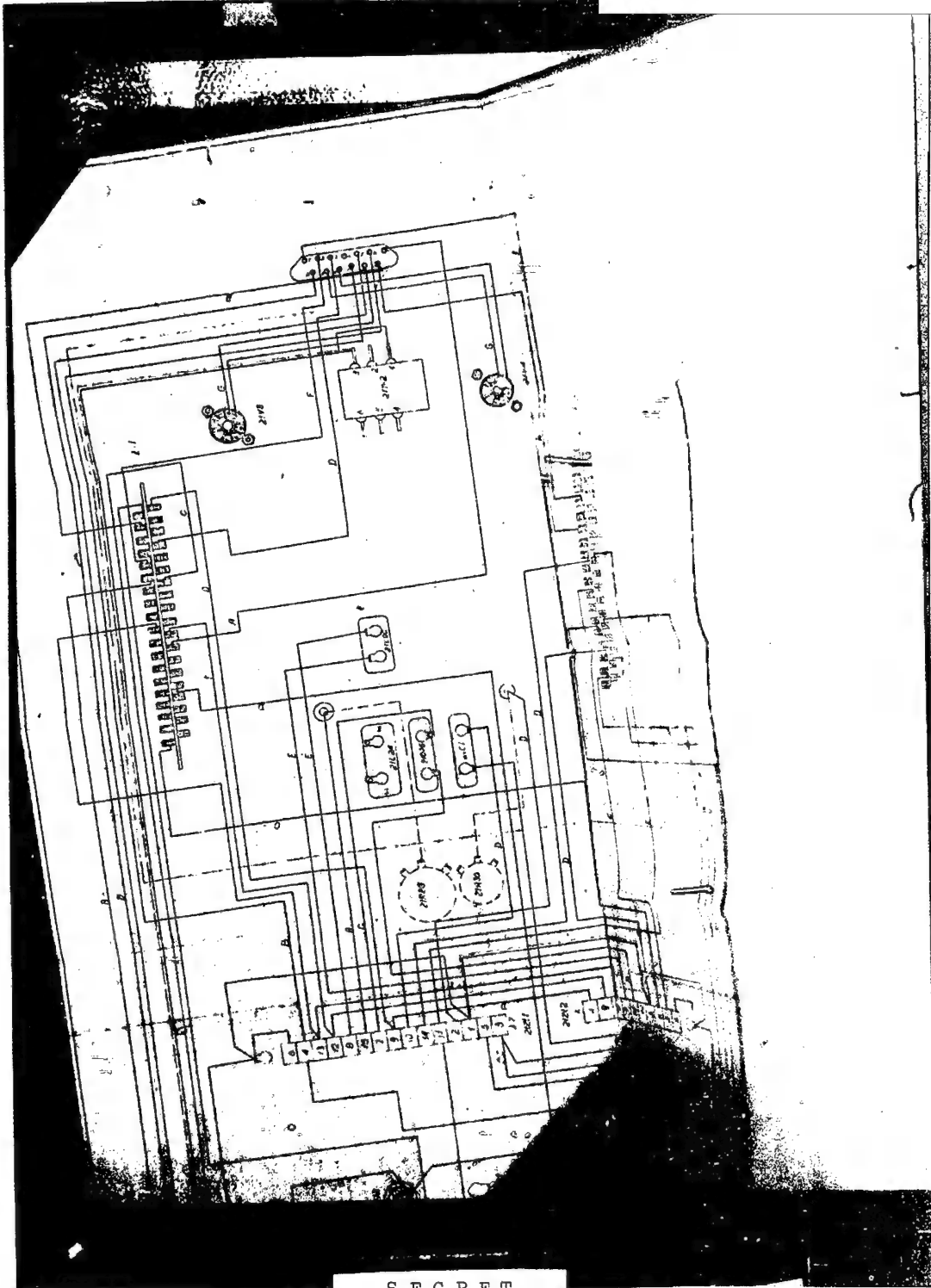
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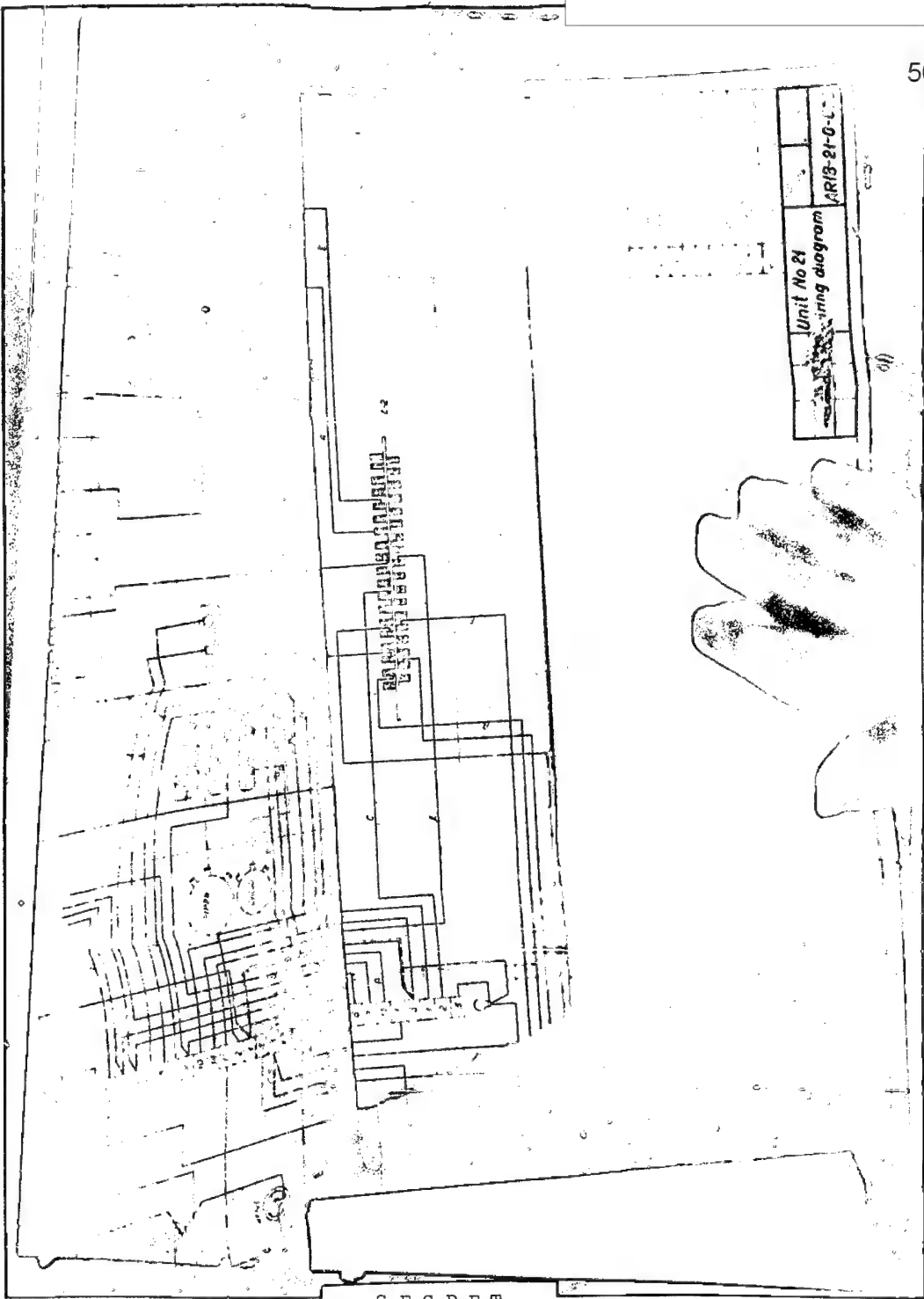
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Unit No 24  
Training diagram  
AR/8-21-6-1

UNIT NO 24  
TRAINING DIAGRAM  
AR/8-21-6-1

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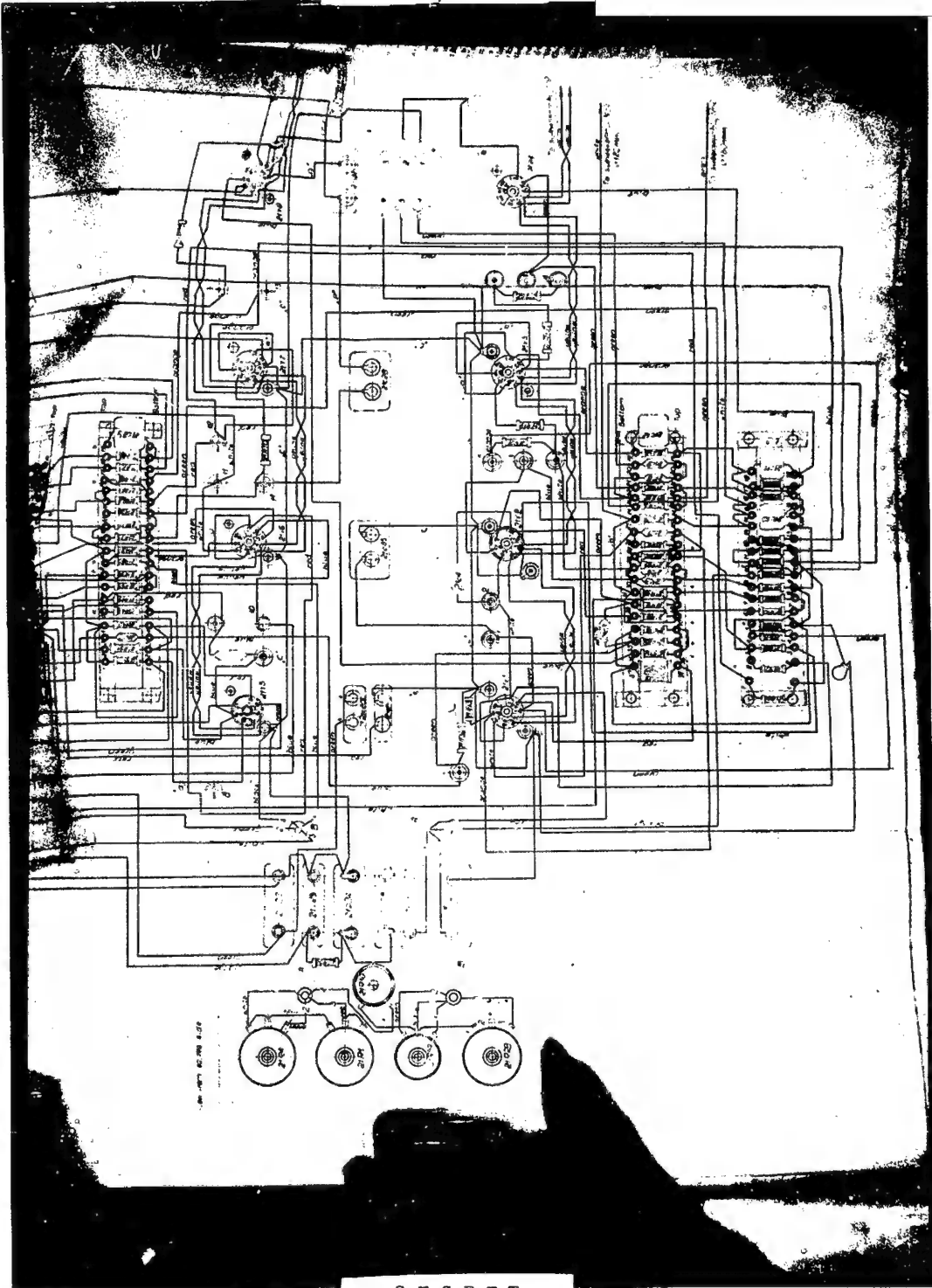


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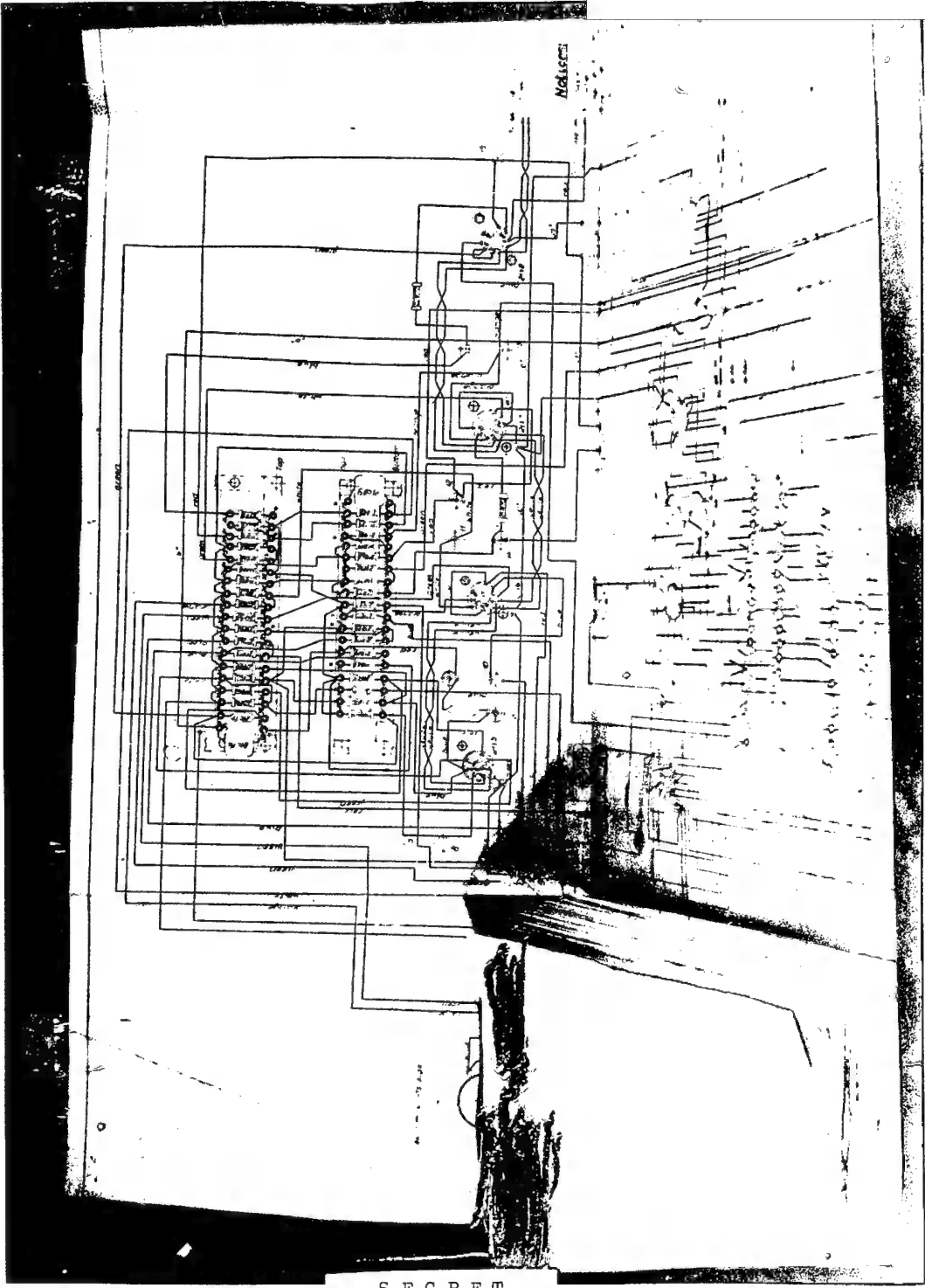
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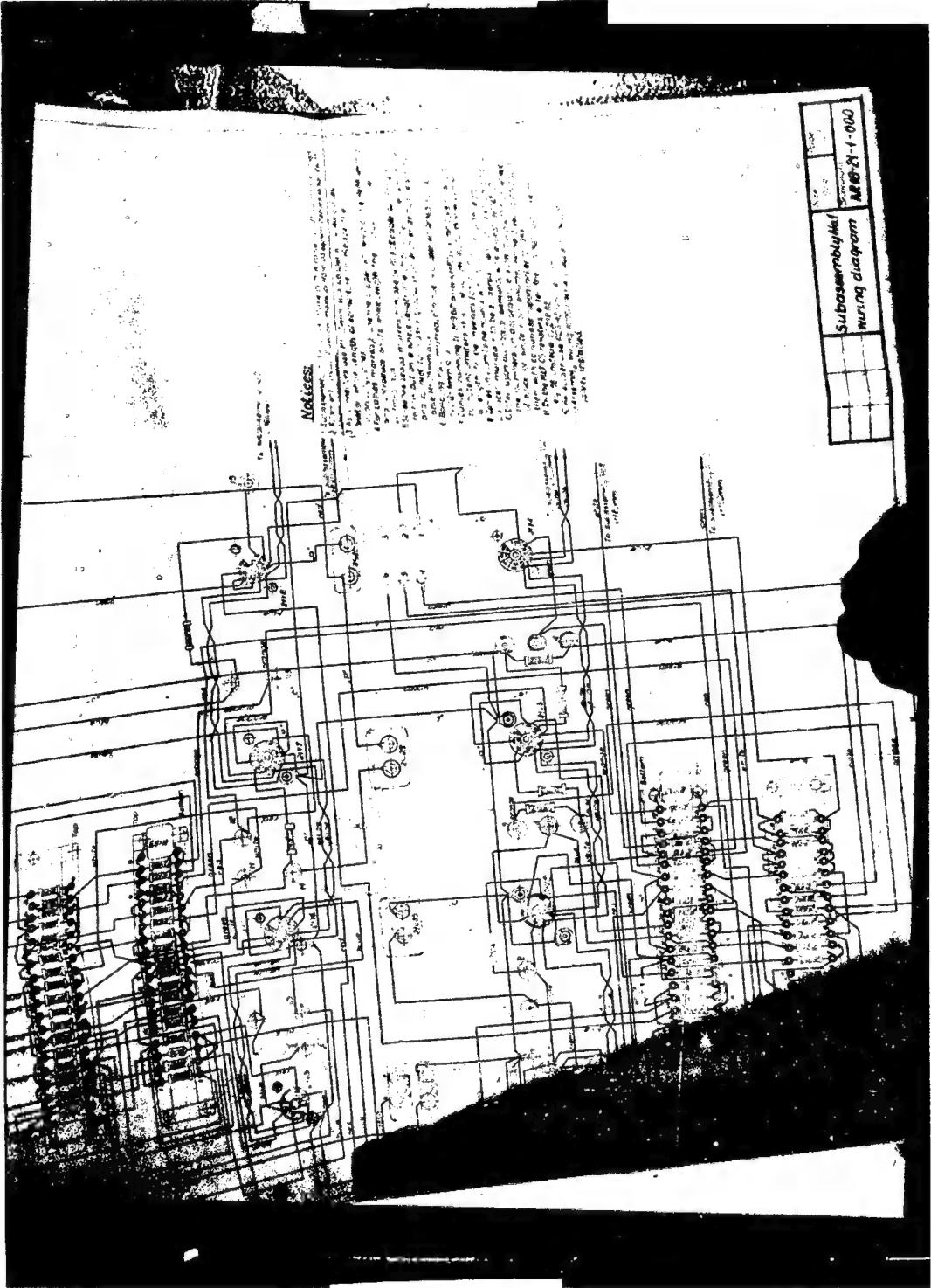
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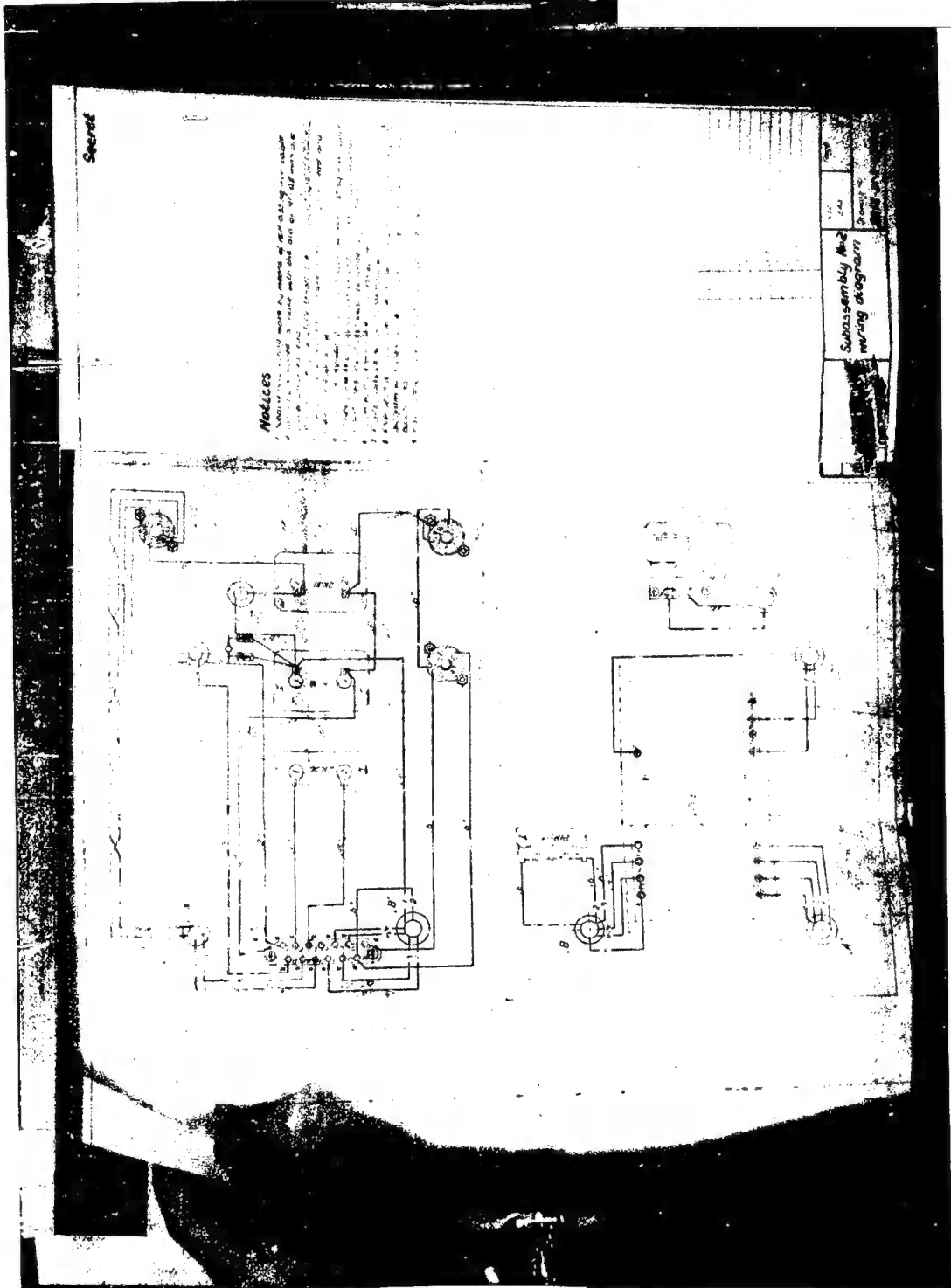
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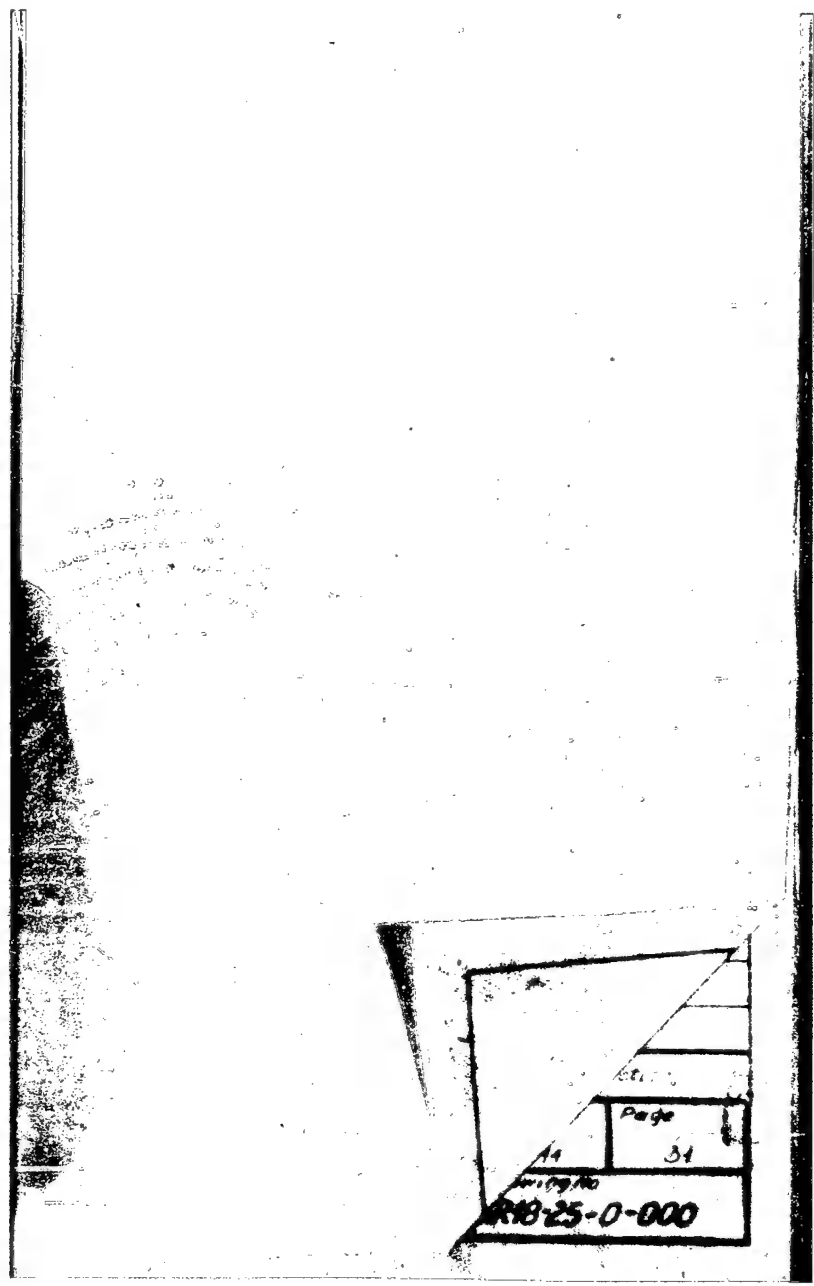
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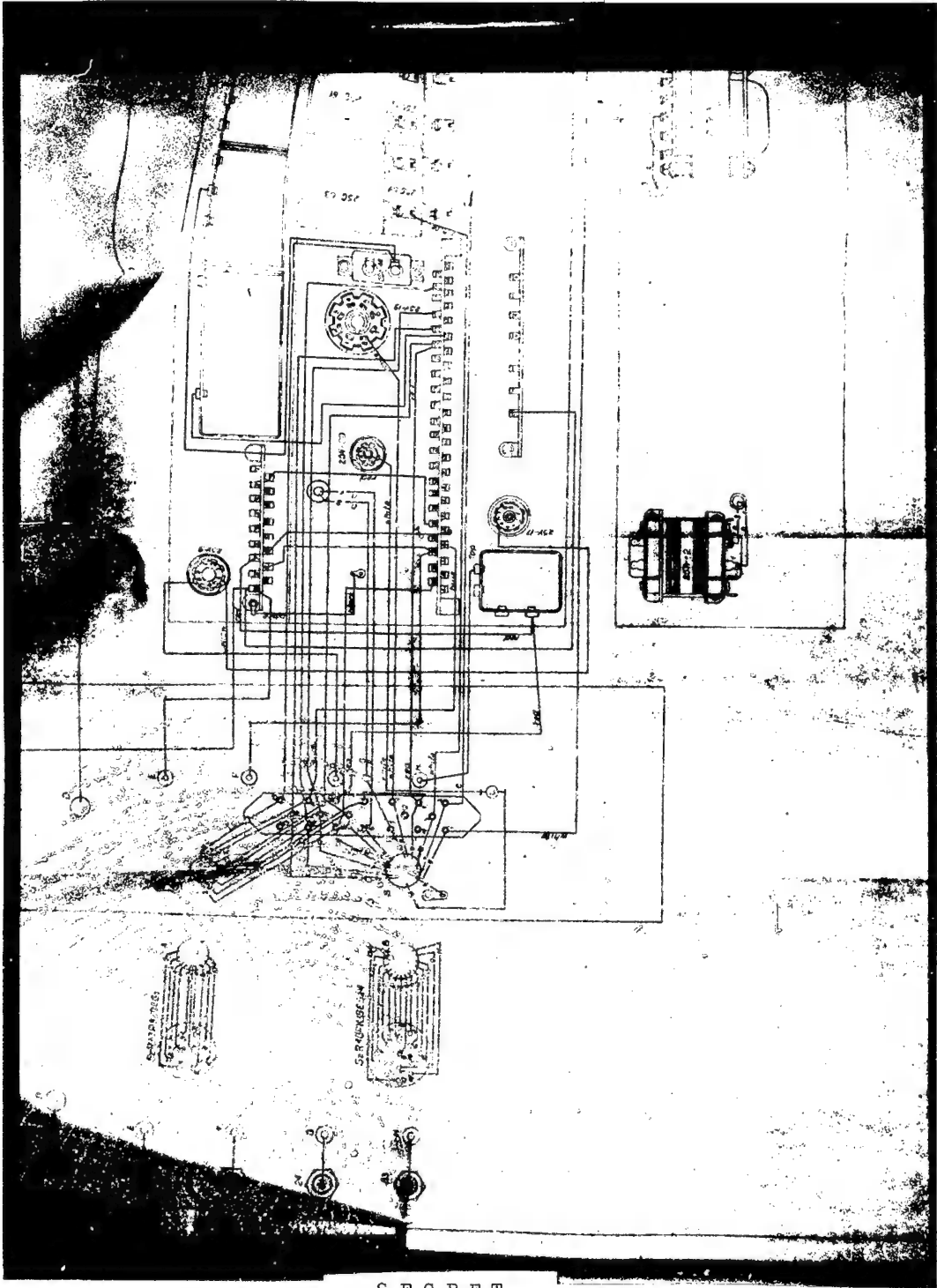


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R18-25-0-000	

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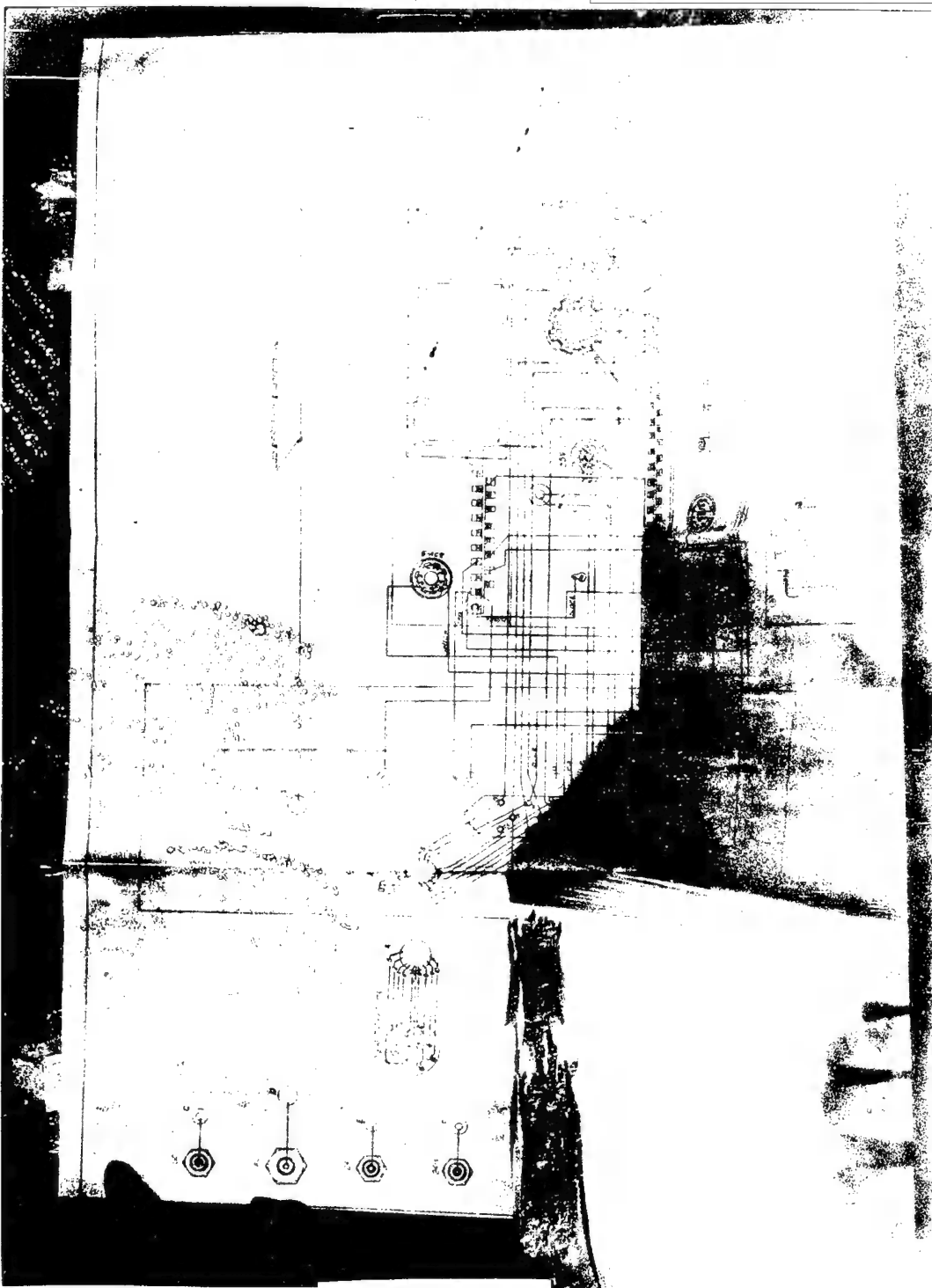
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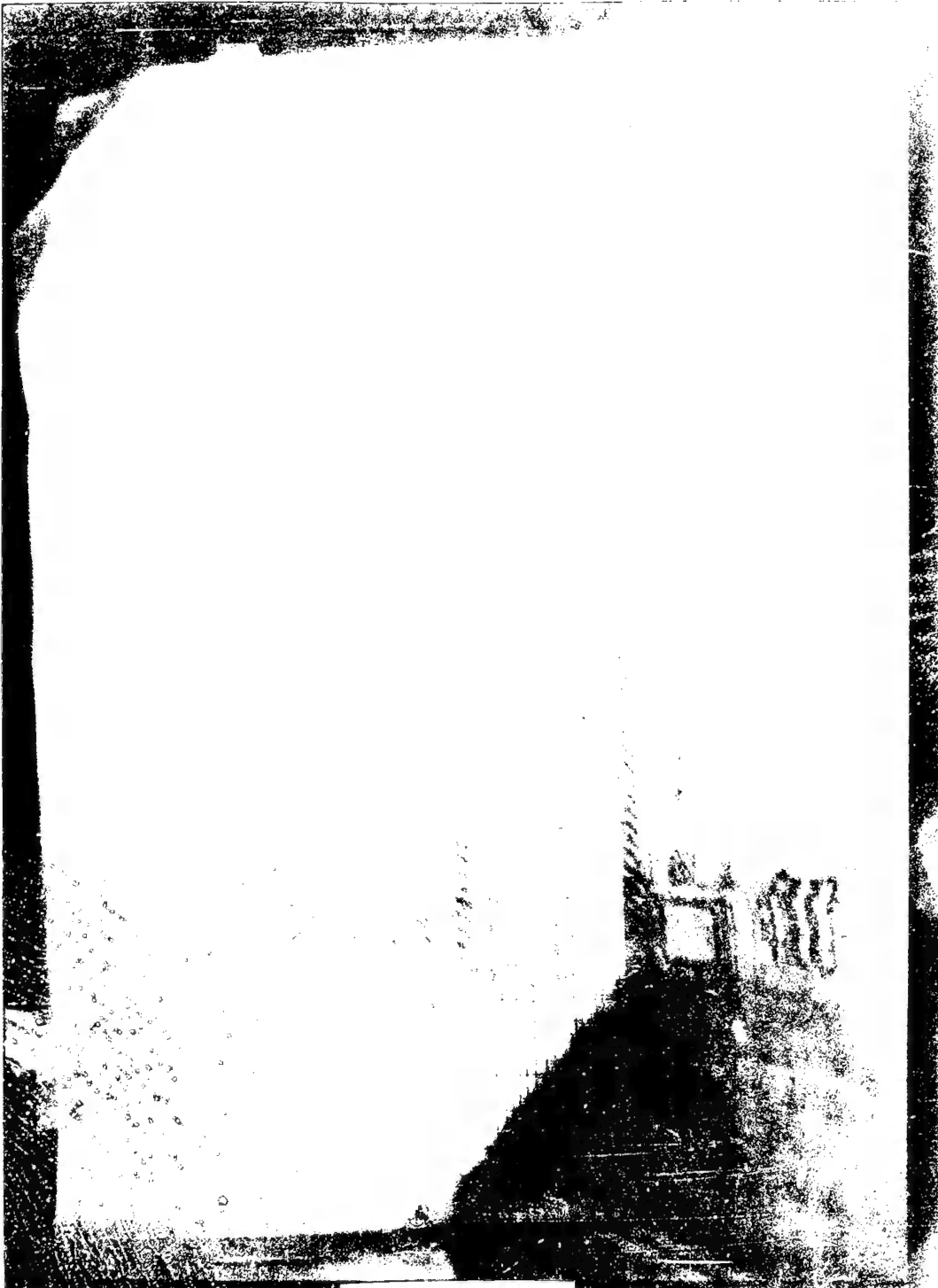
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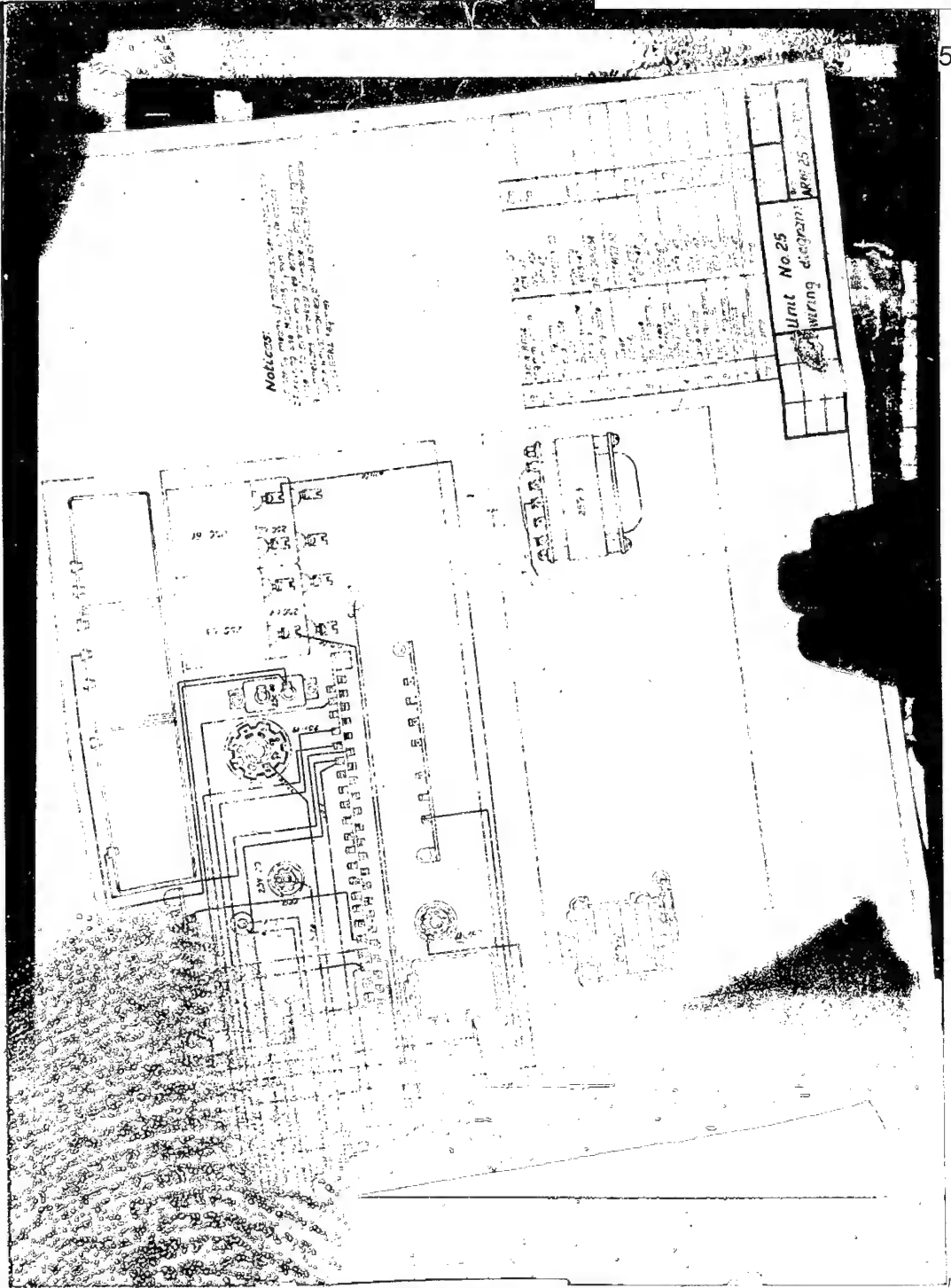


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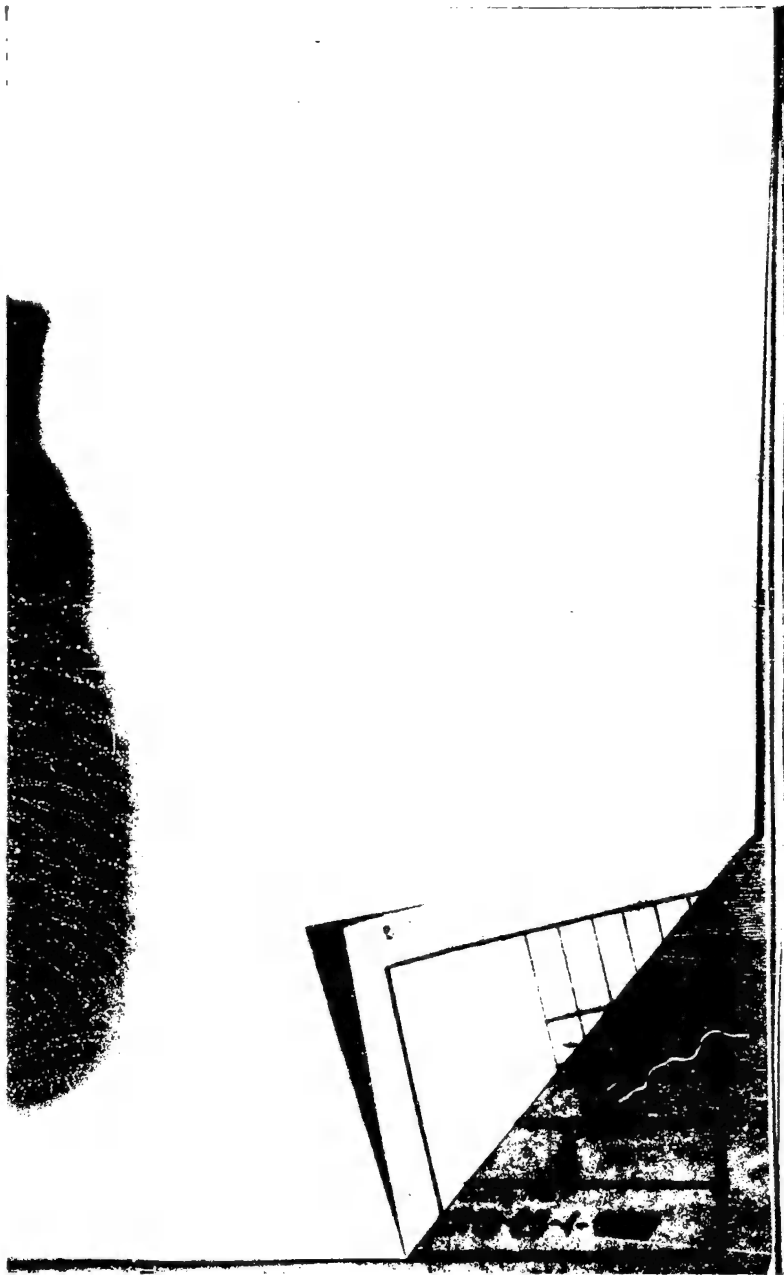
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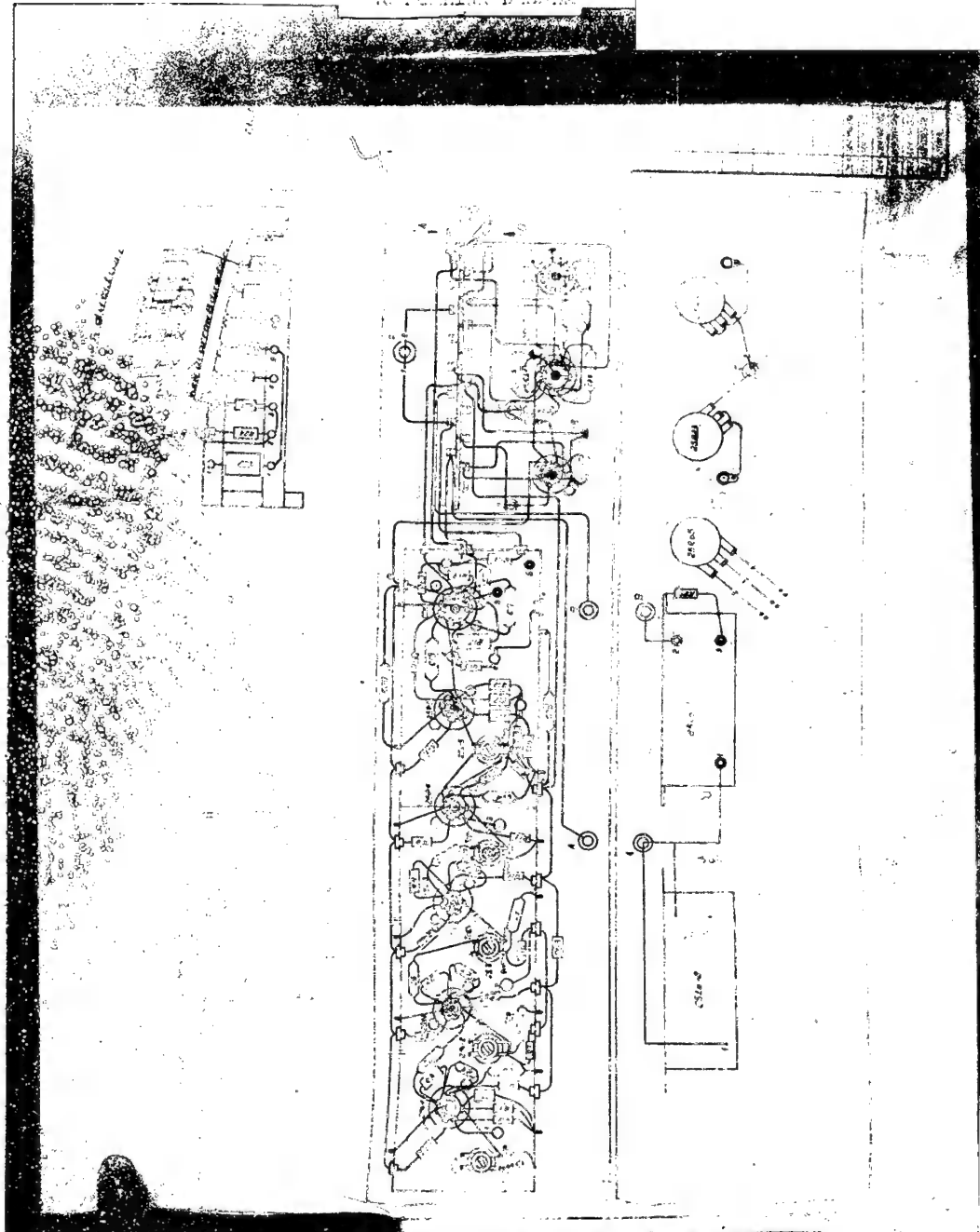
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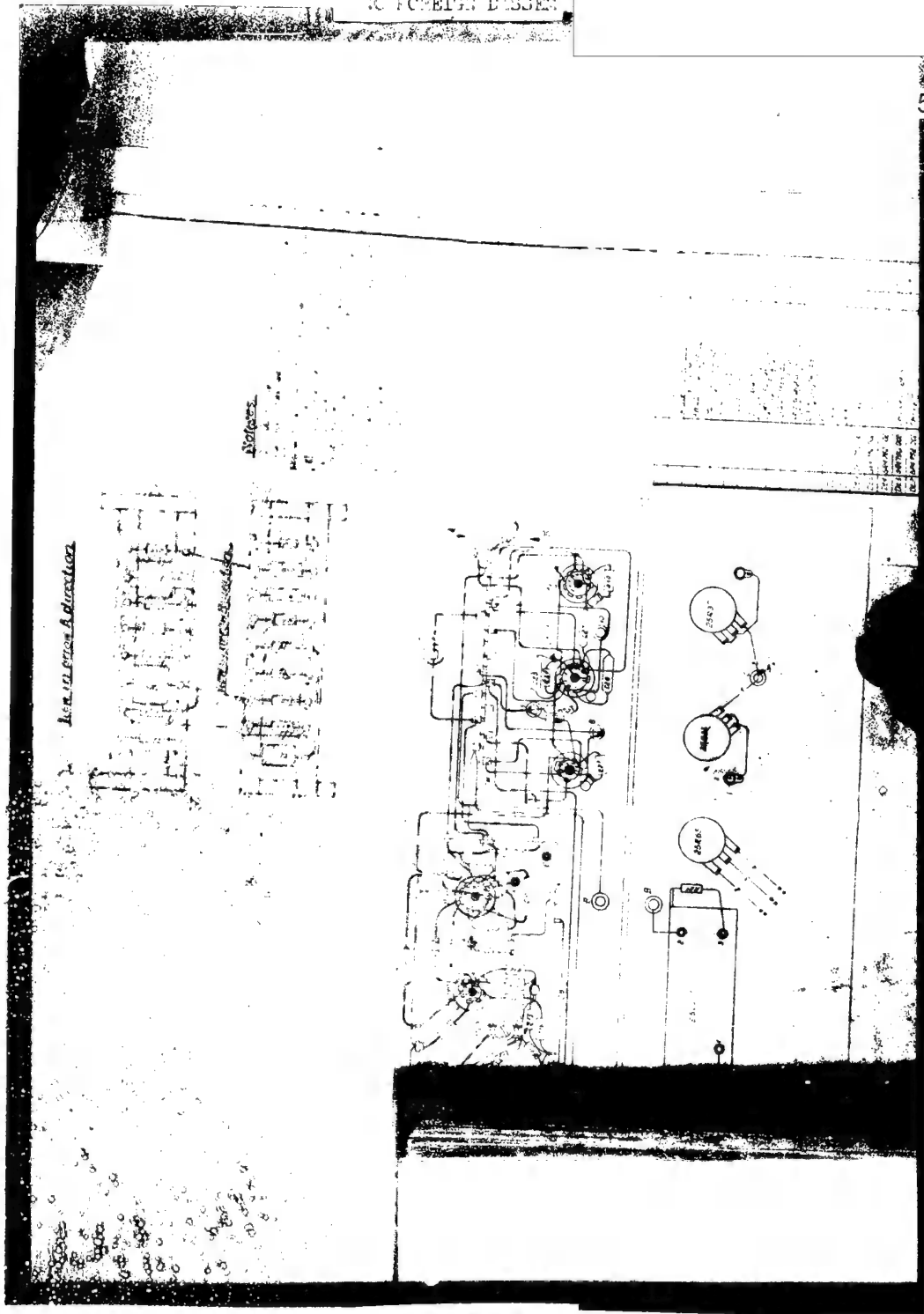


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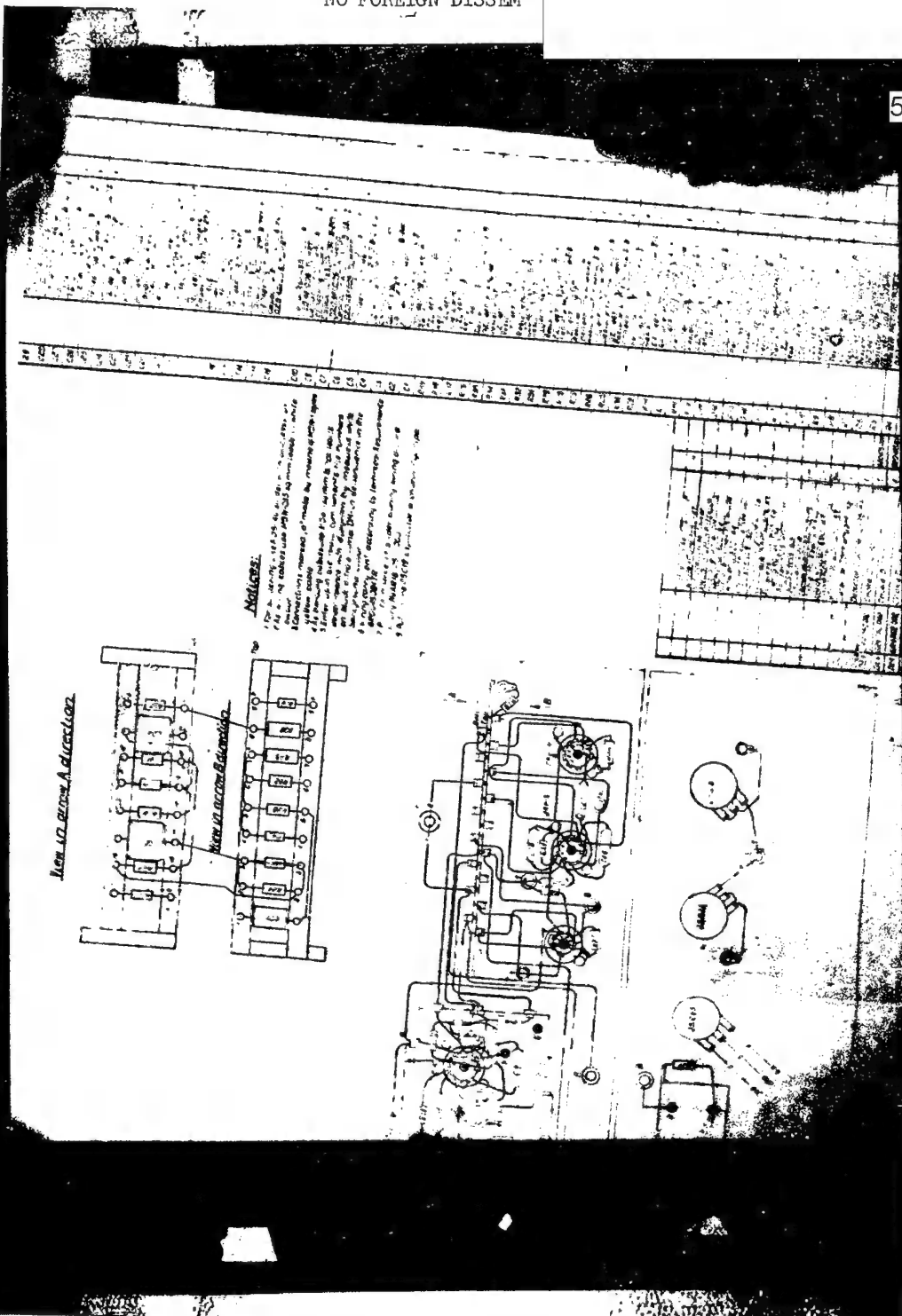


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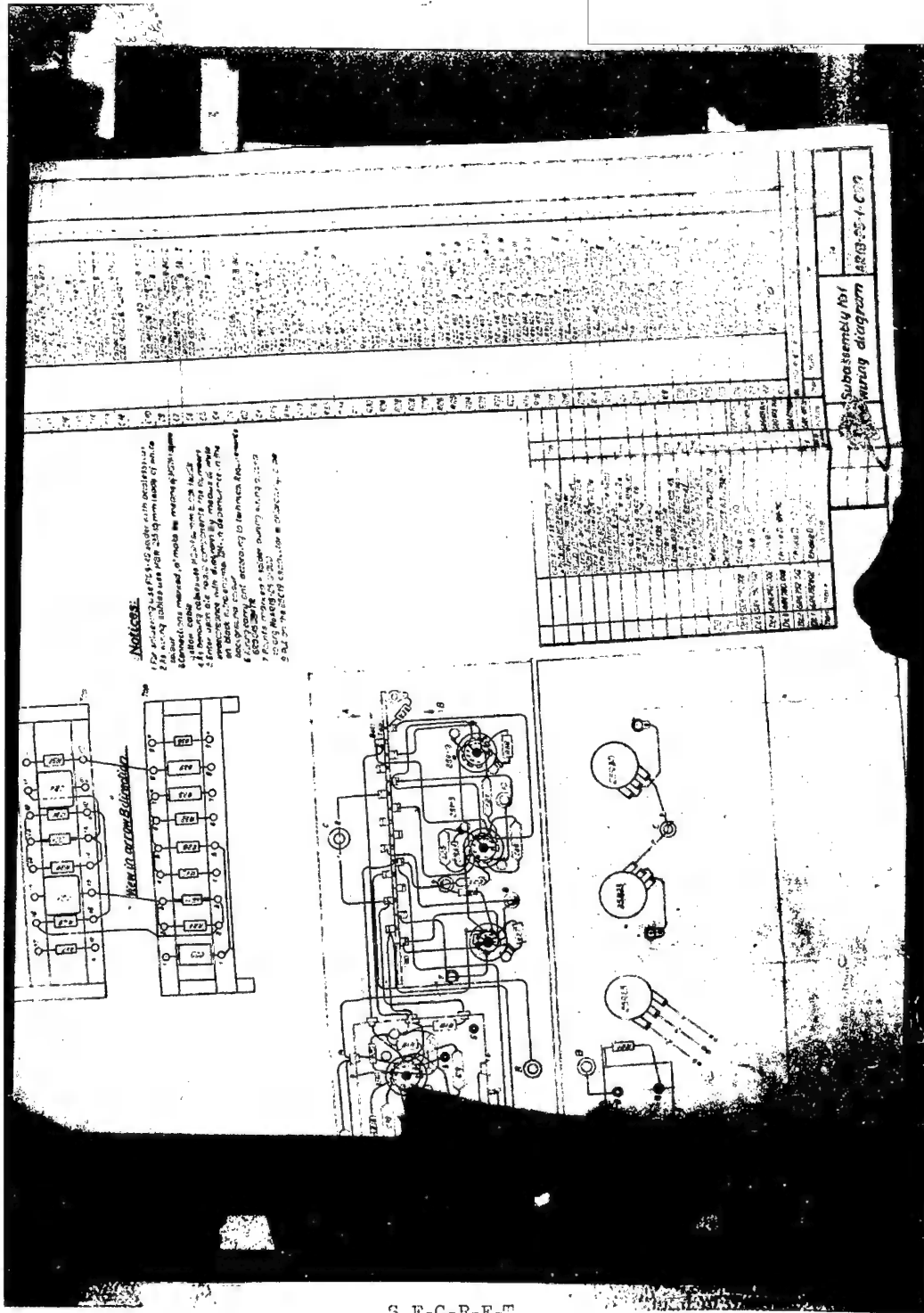


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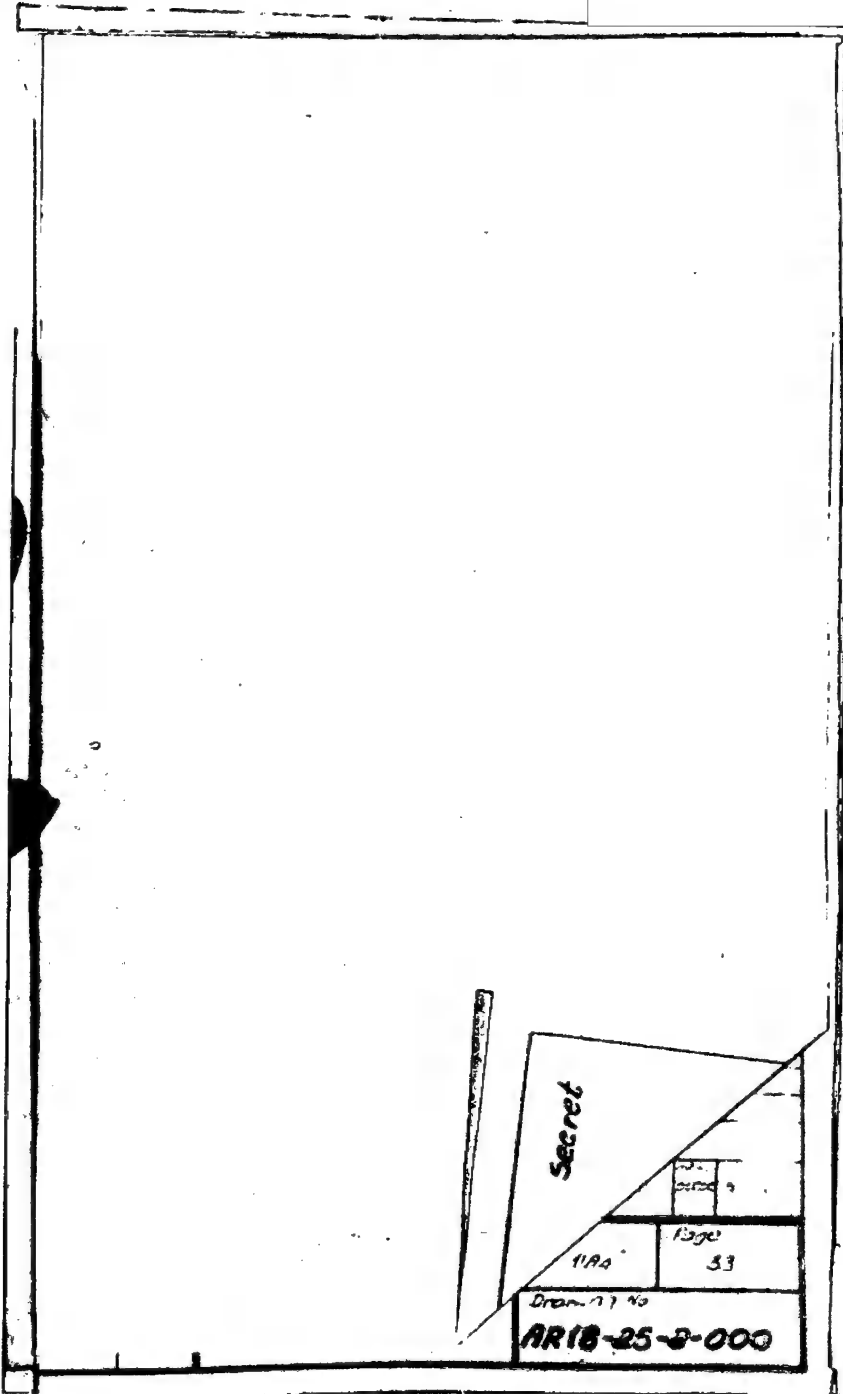


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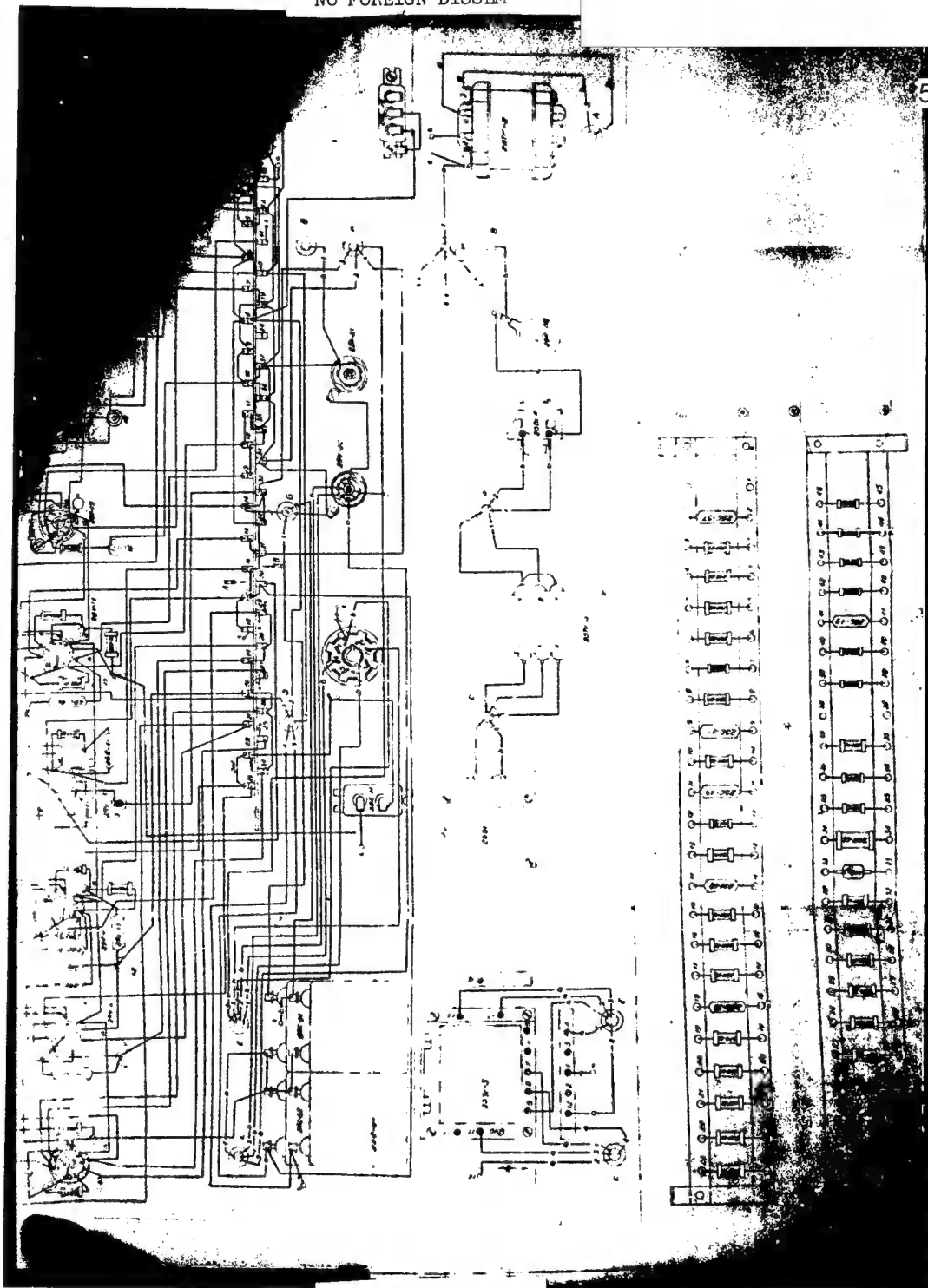
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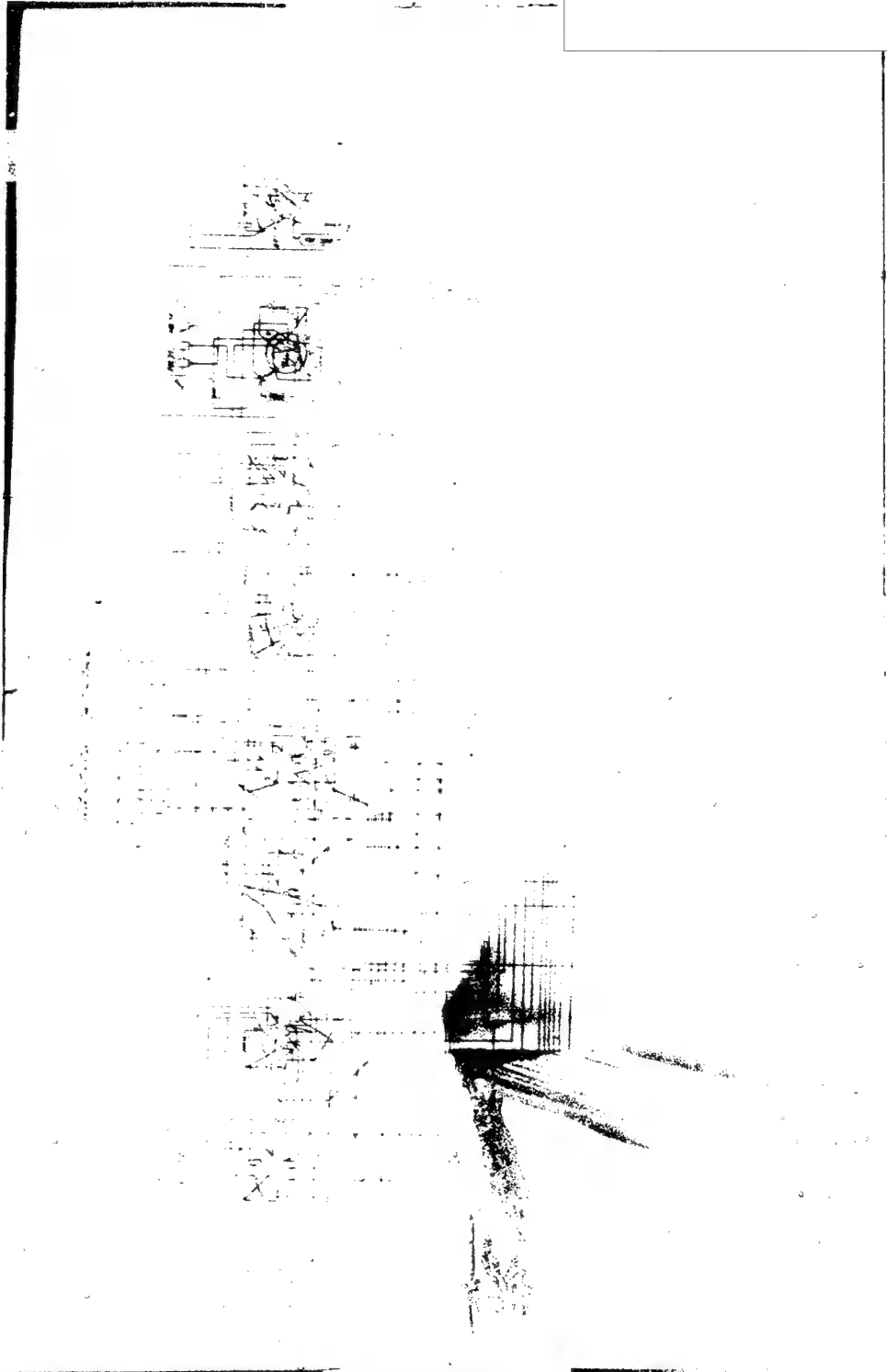


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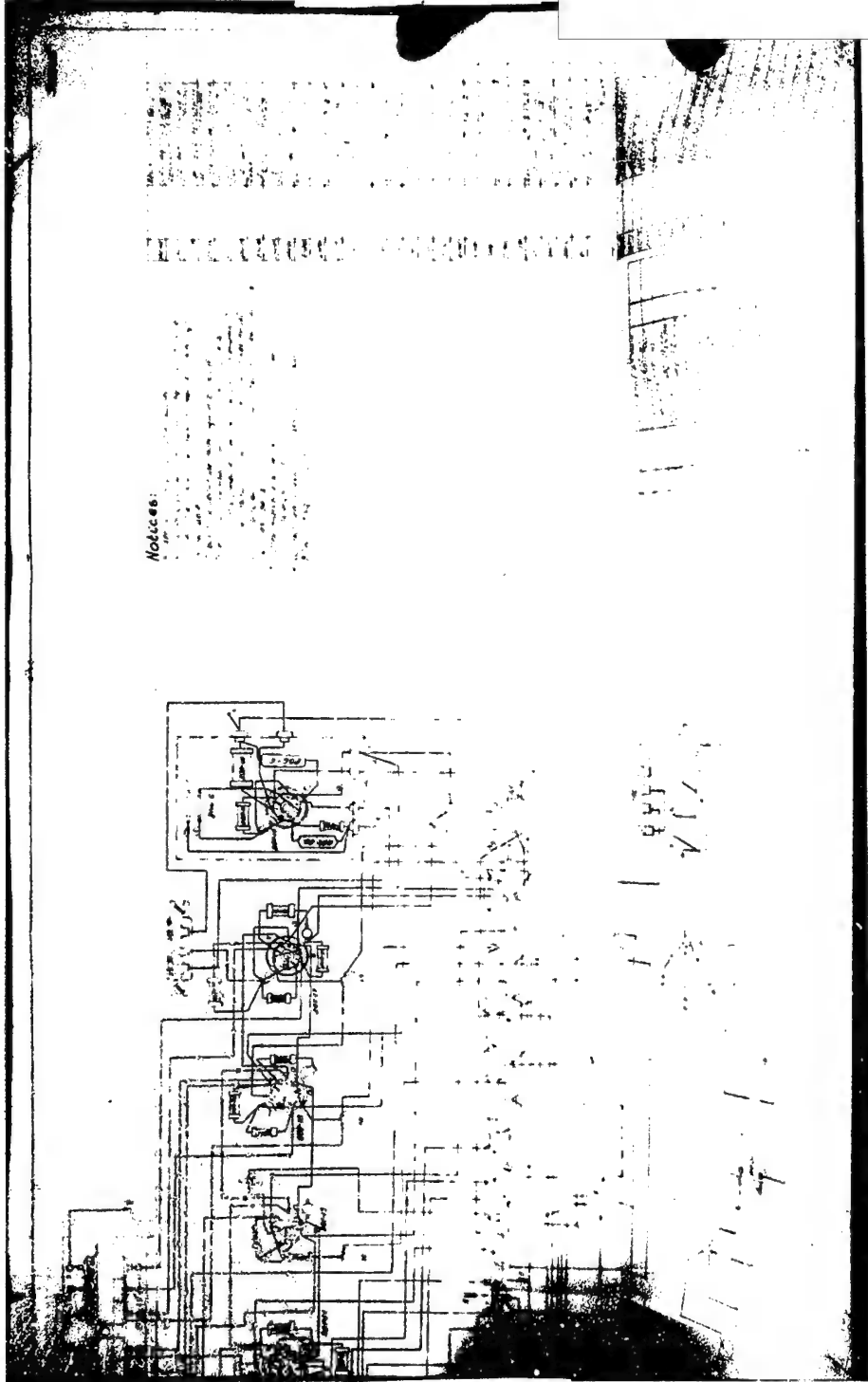
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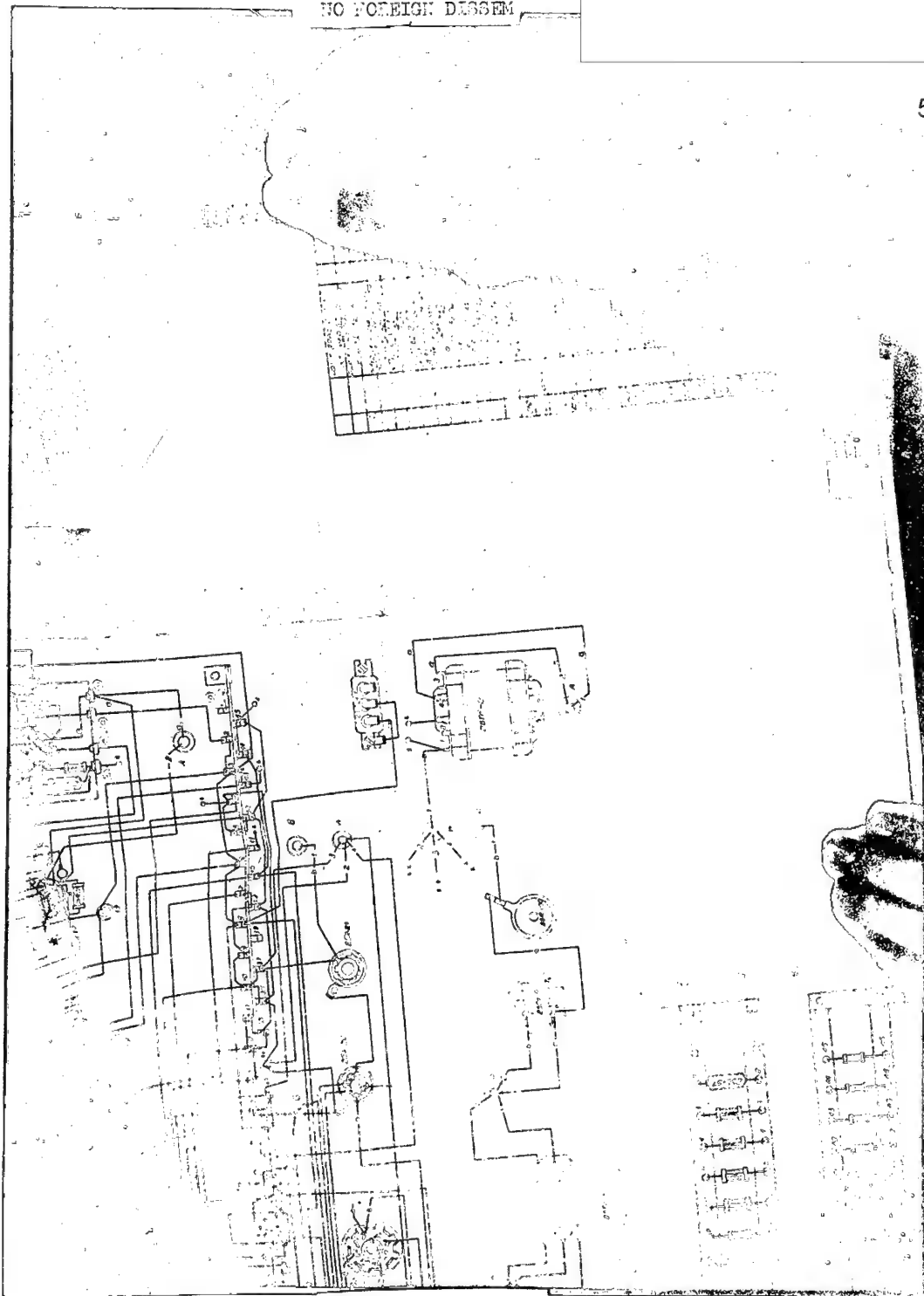
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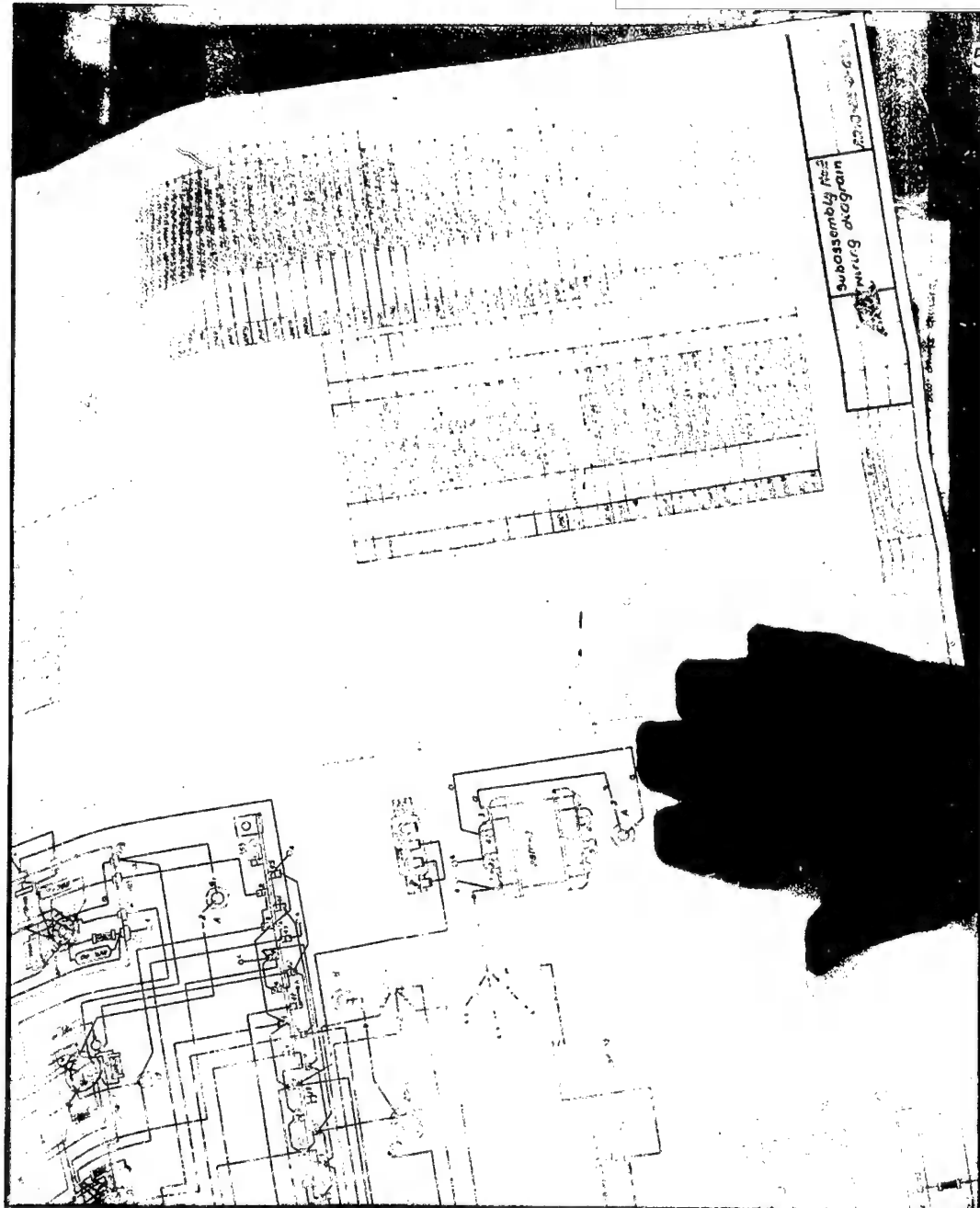
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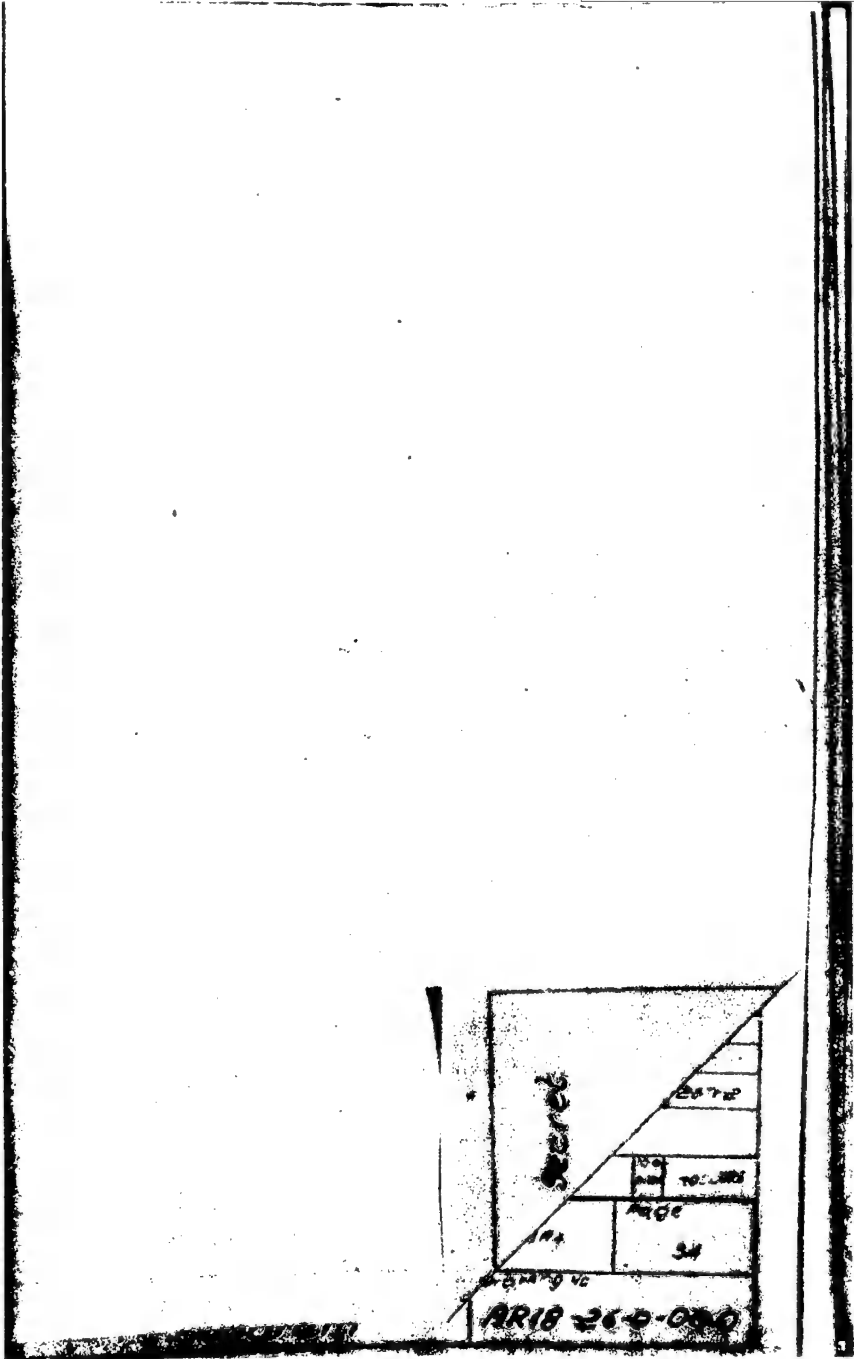


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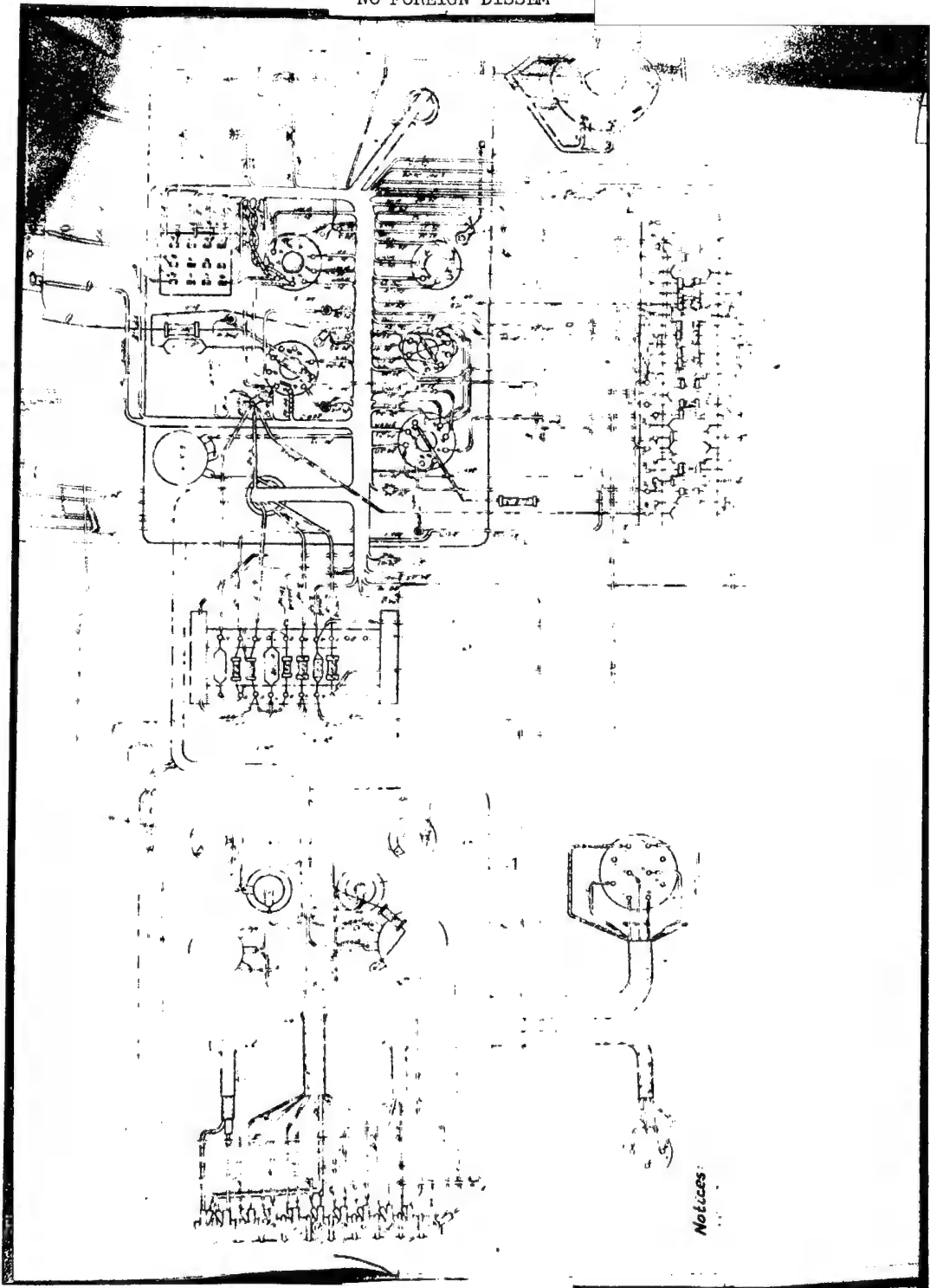
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AR 18-260-000

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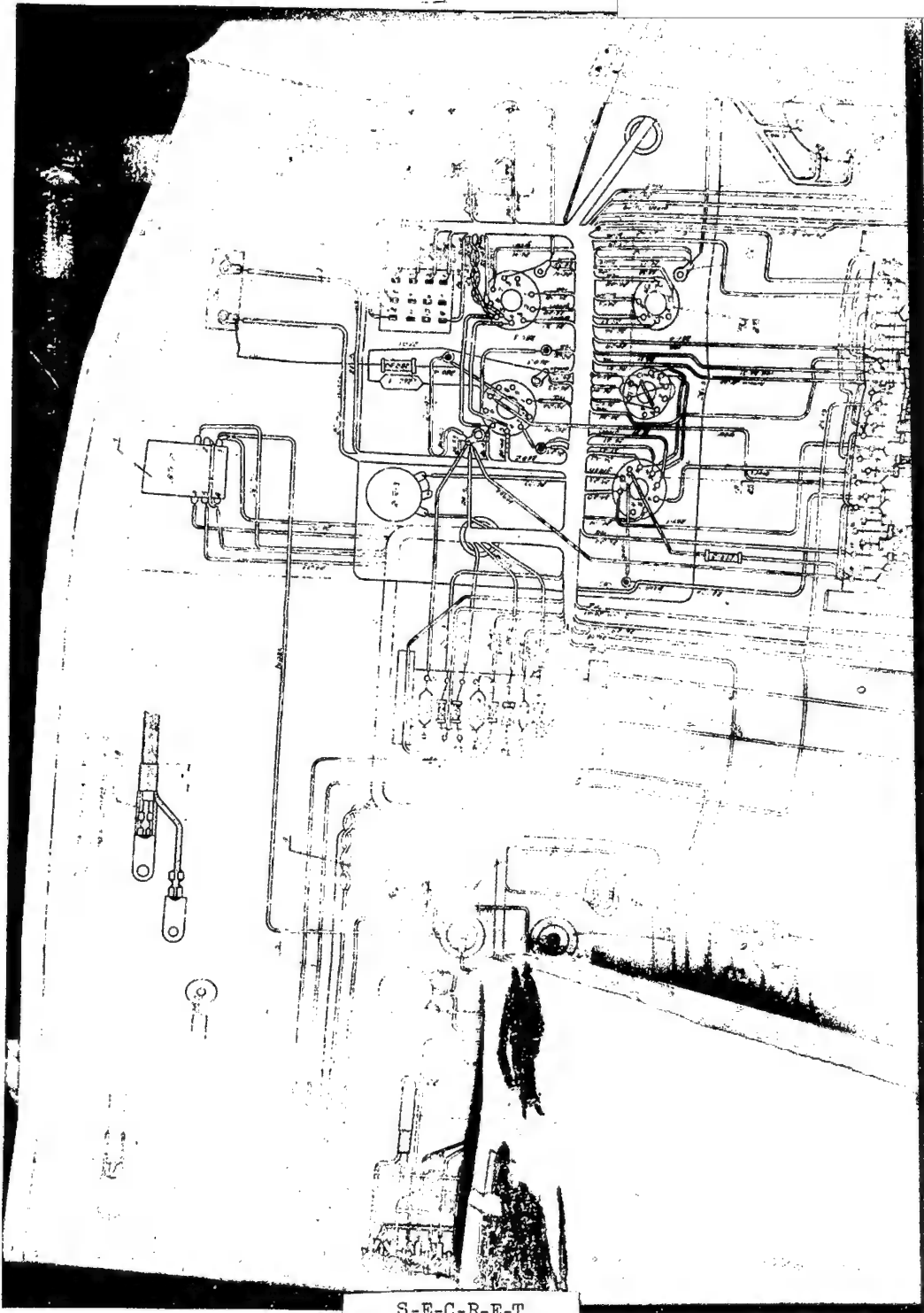


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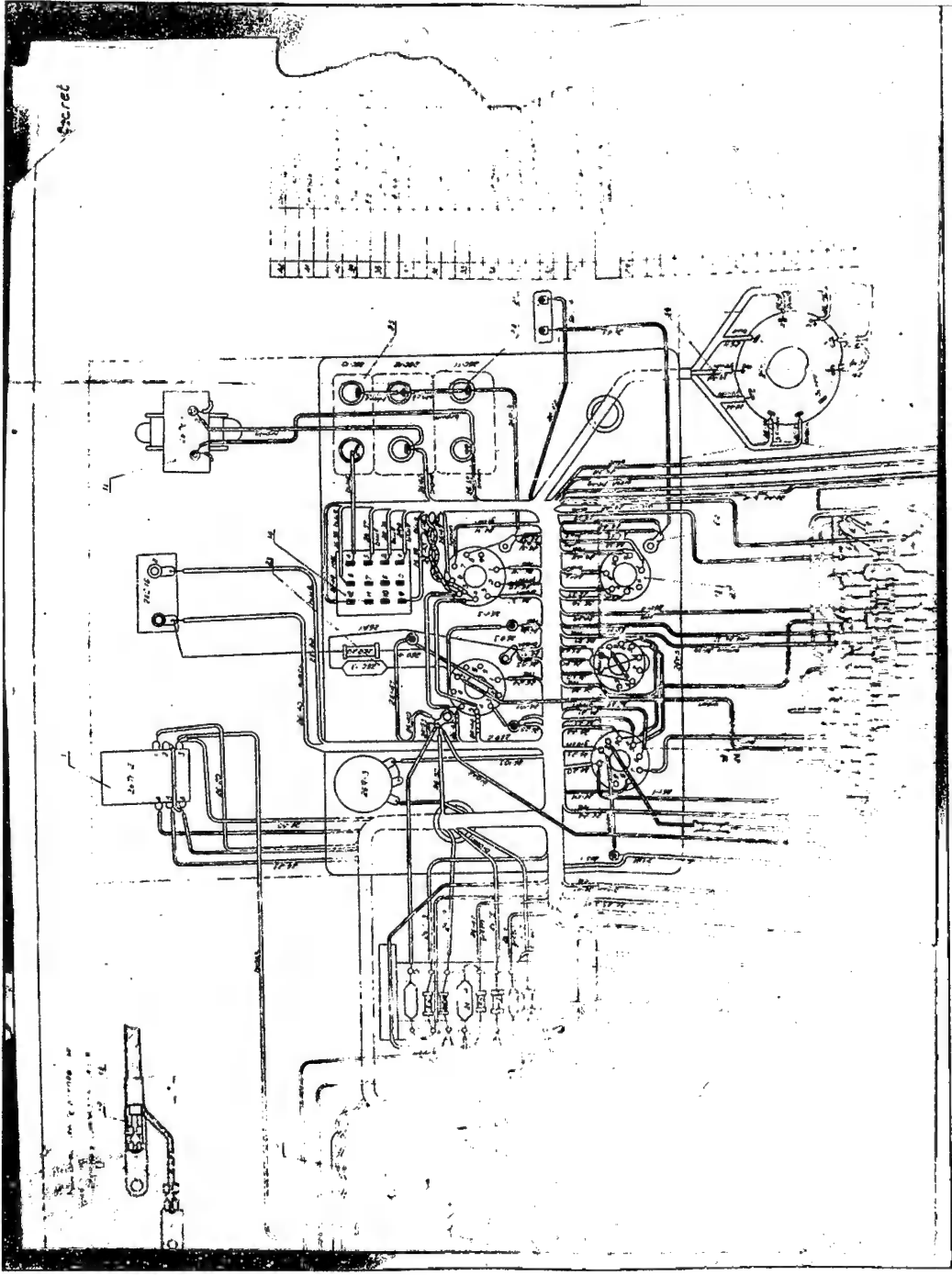
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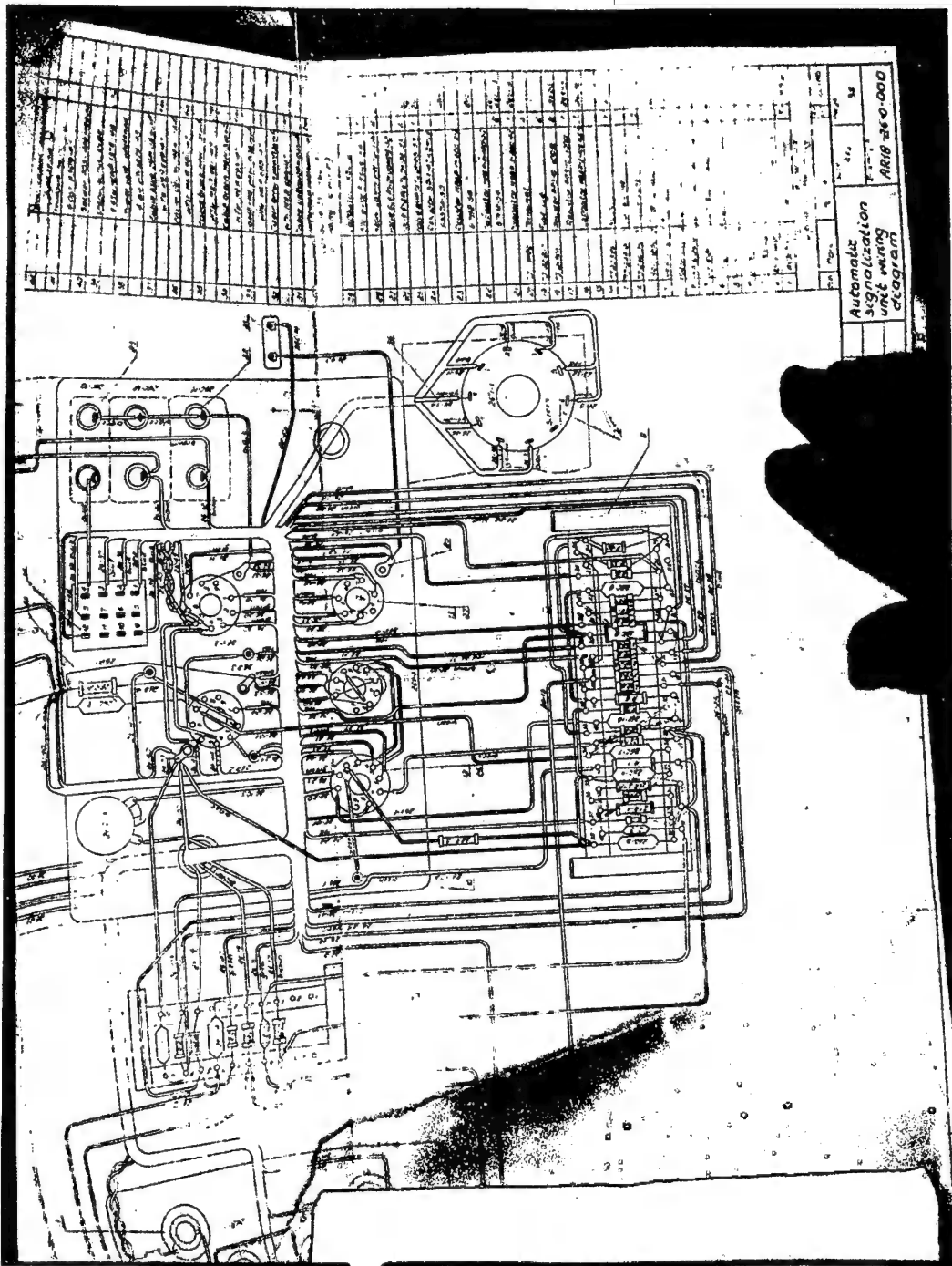
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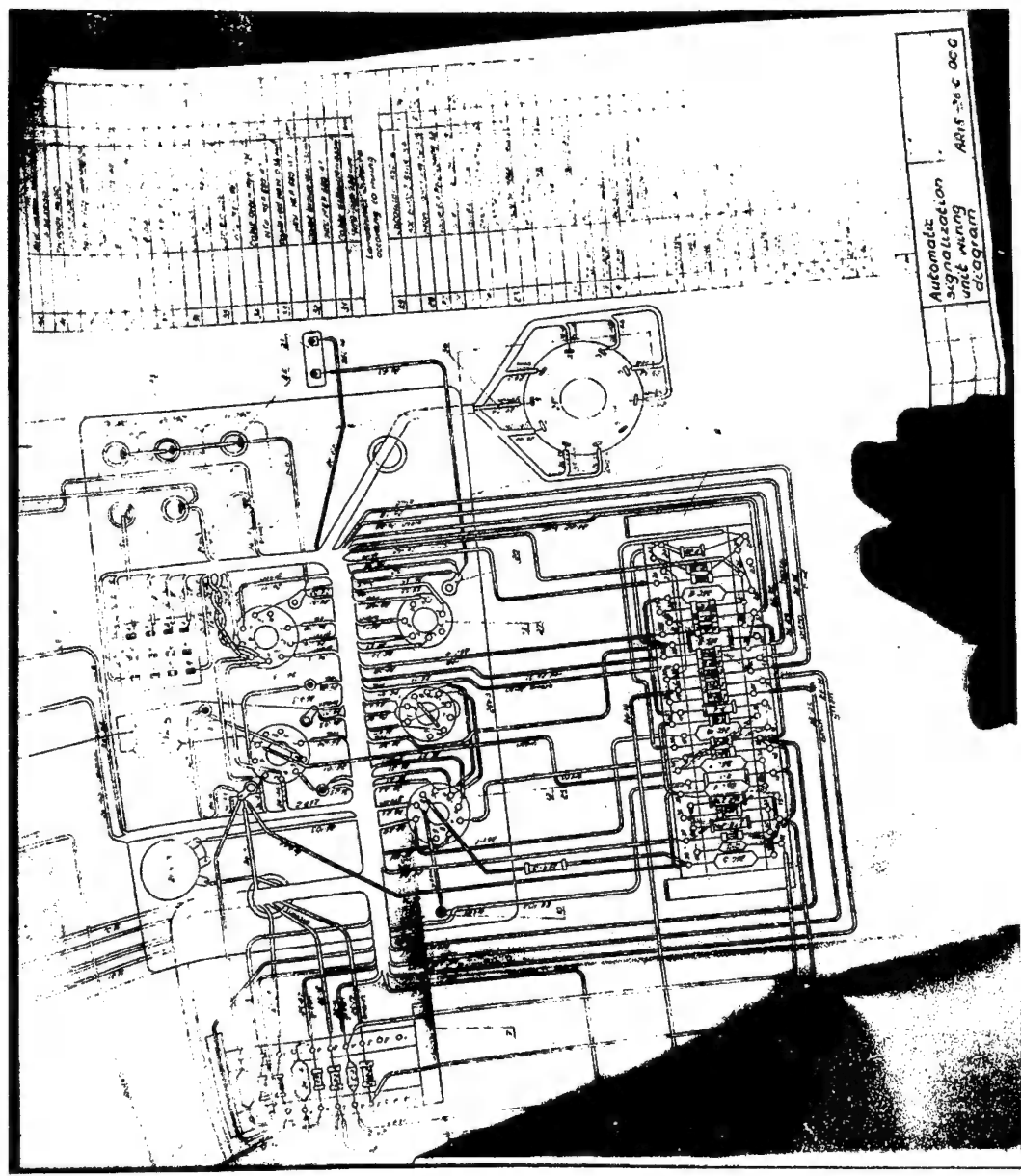
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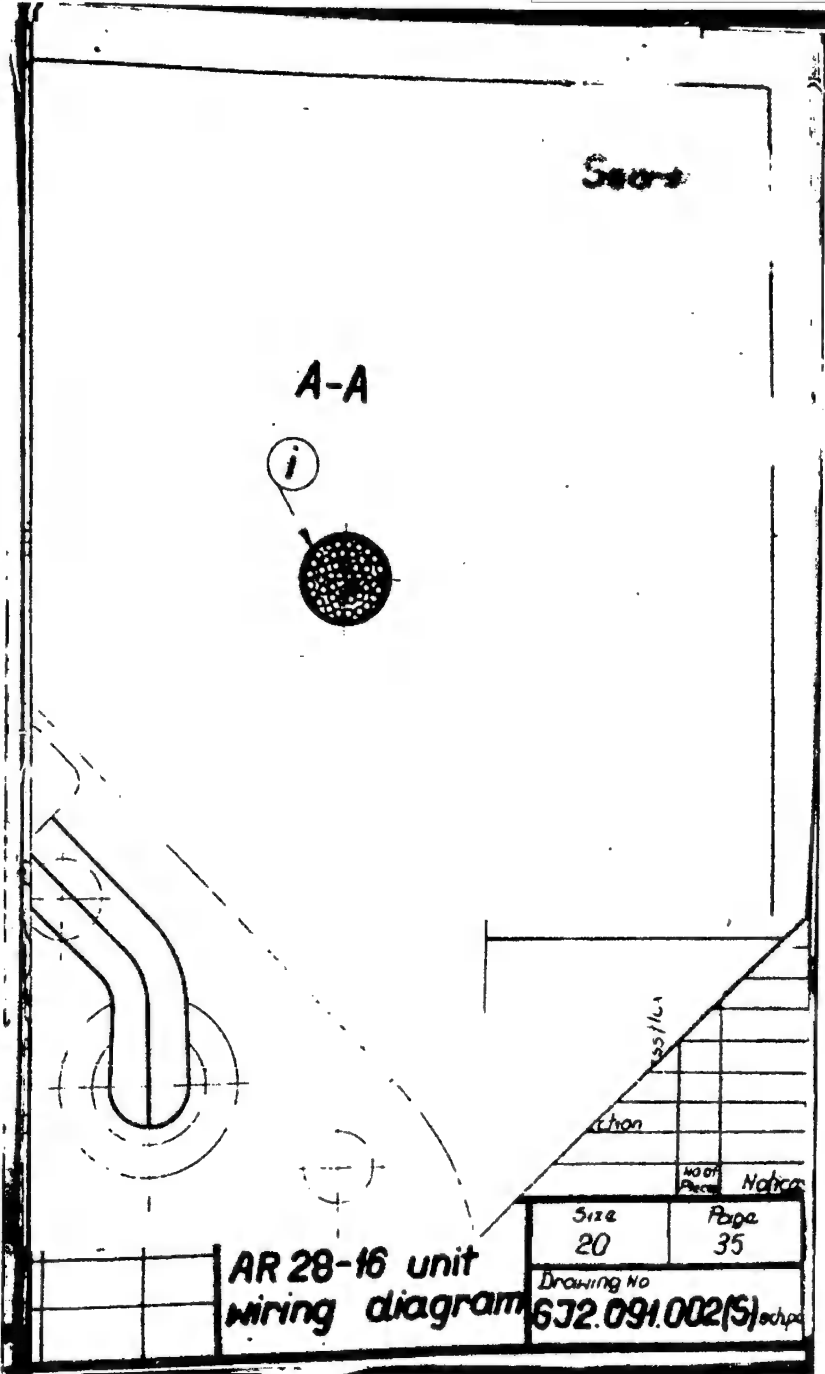


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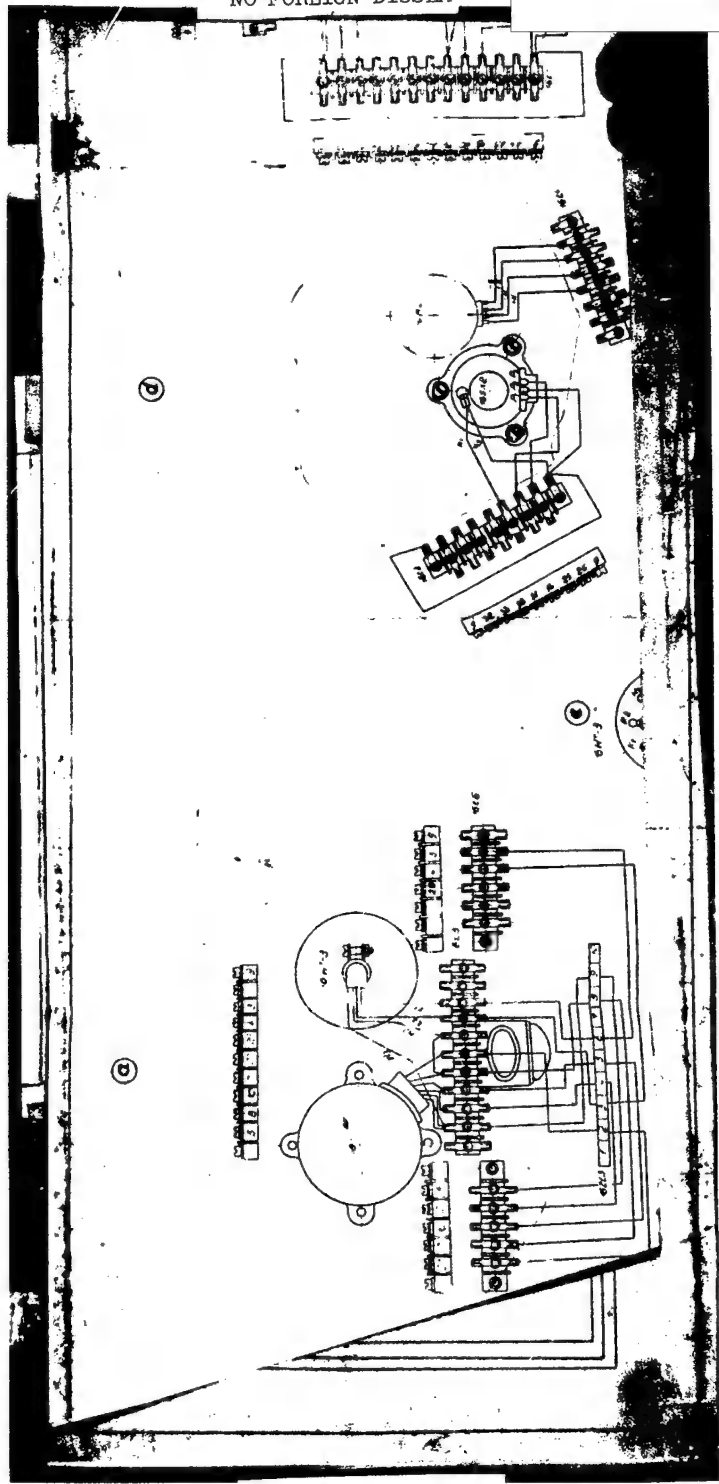


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117

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

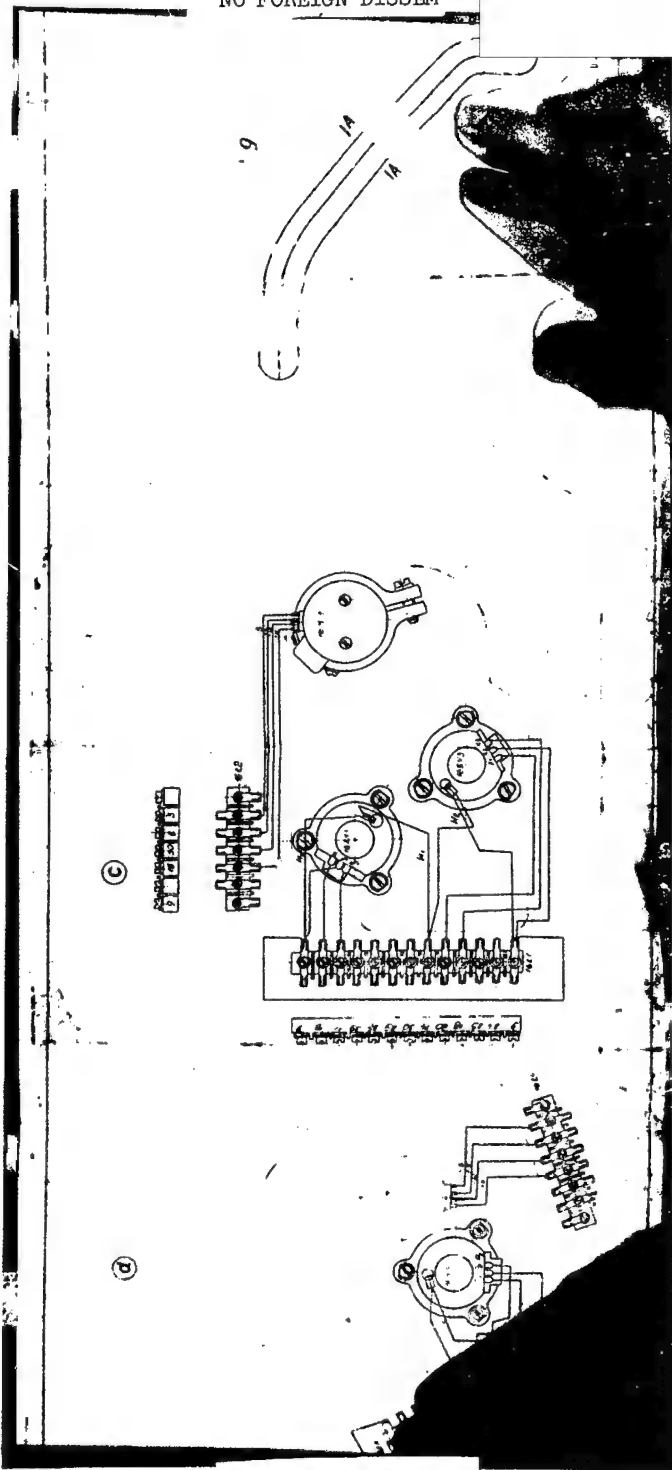


S-E-C-R-E-T  
NO FOREIGN DISSEM

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S-E-C-R-E-T  
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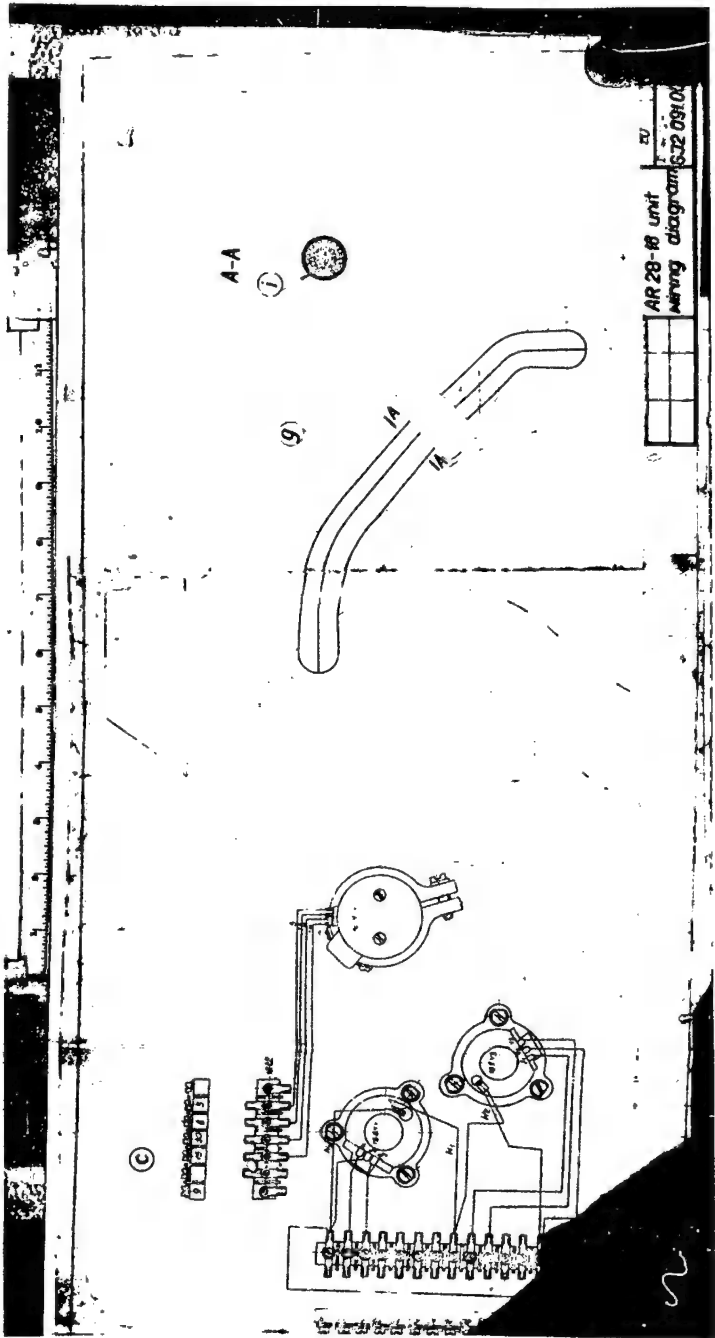
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
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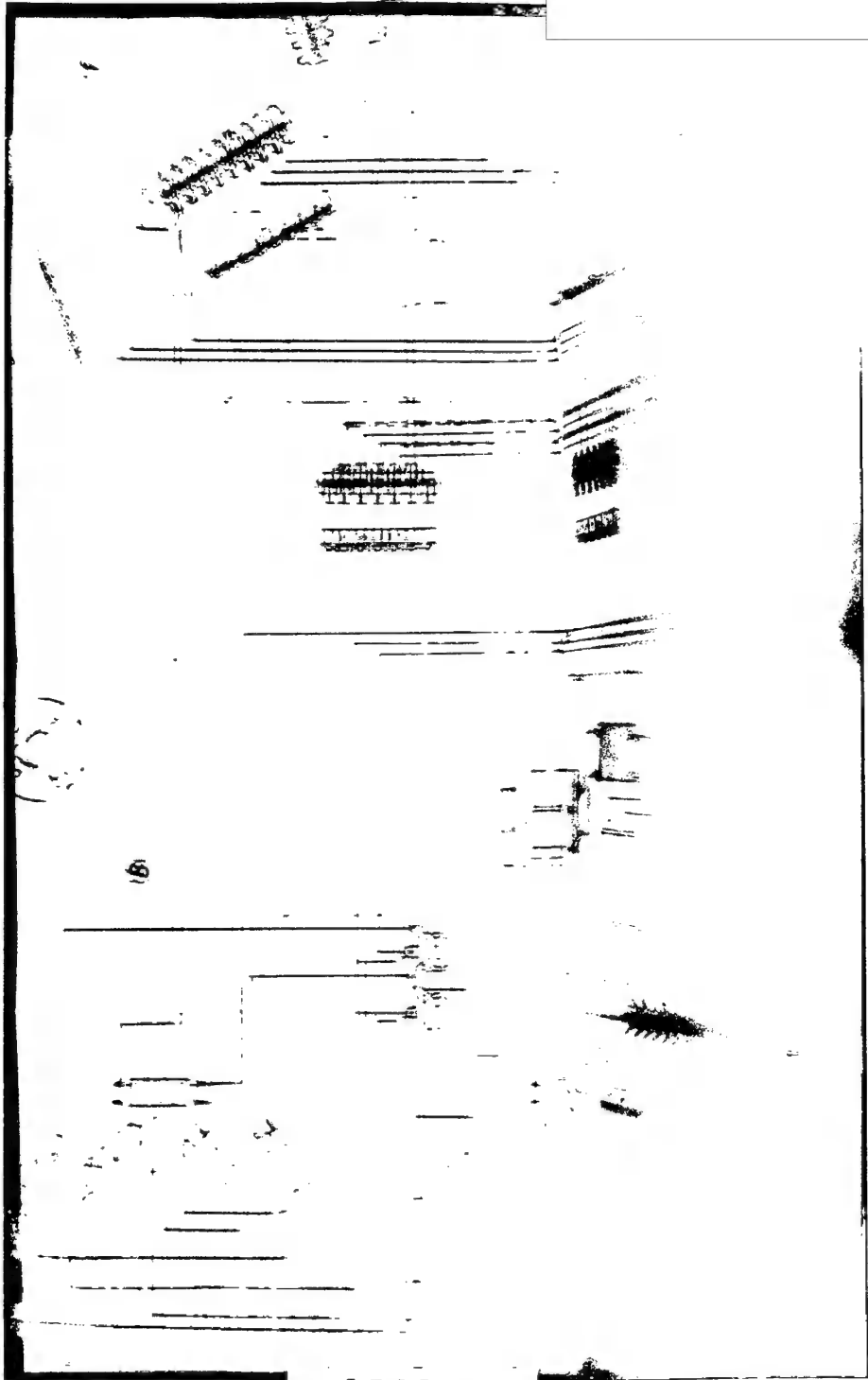
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S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

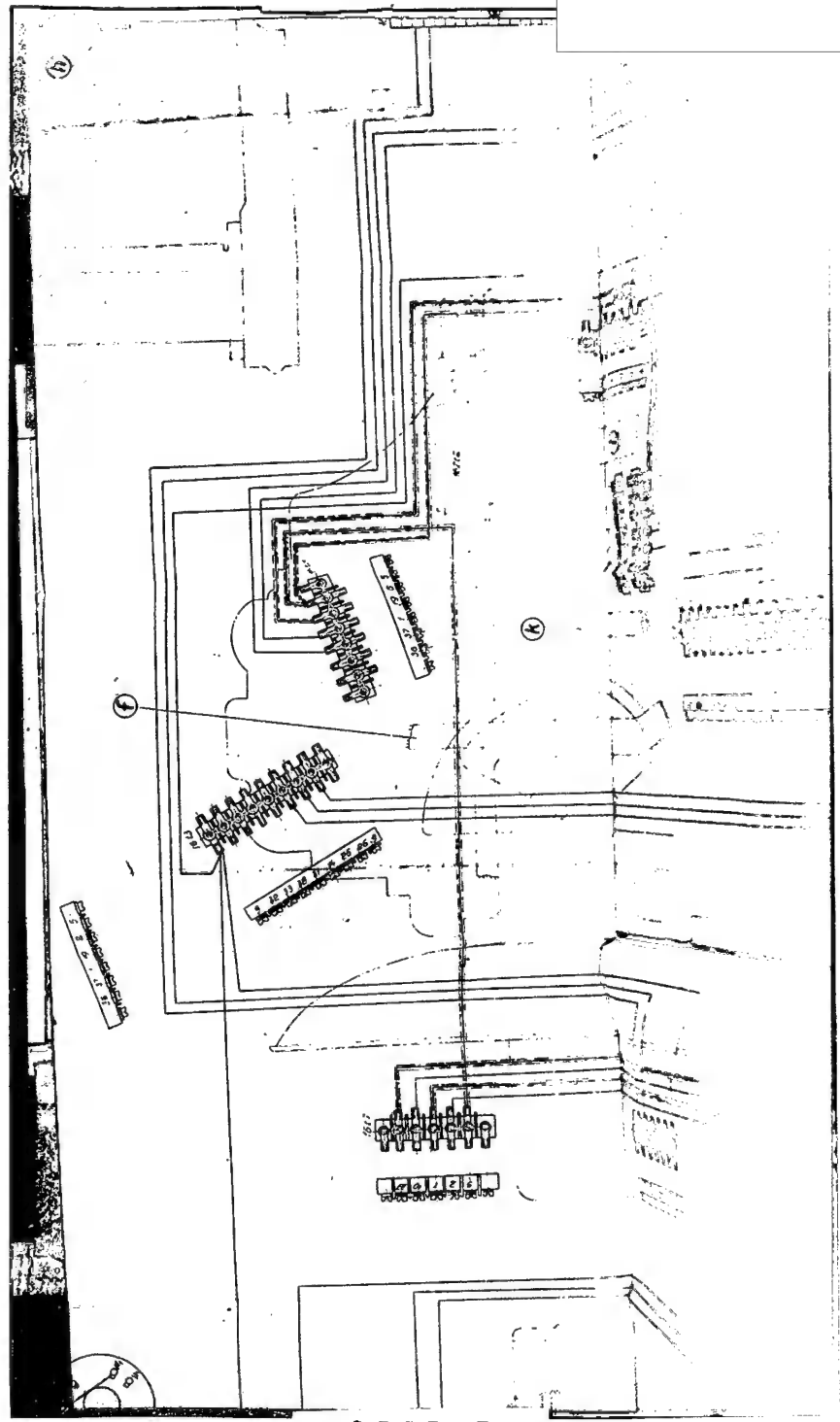


S-E-C-R-E-T  
NO FOREIGN DISSEM



S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T

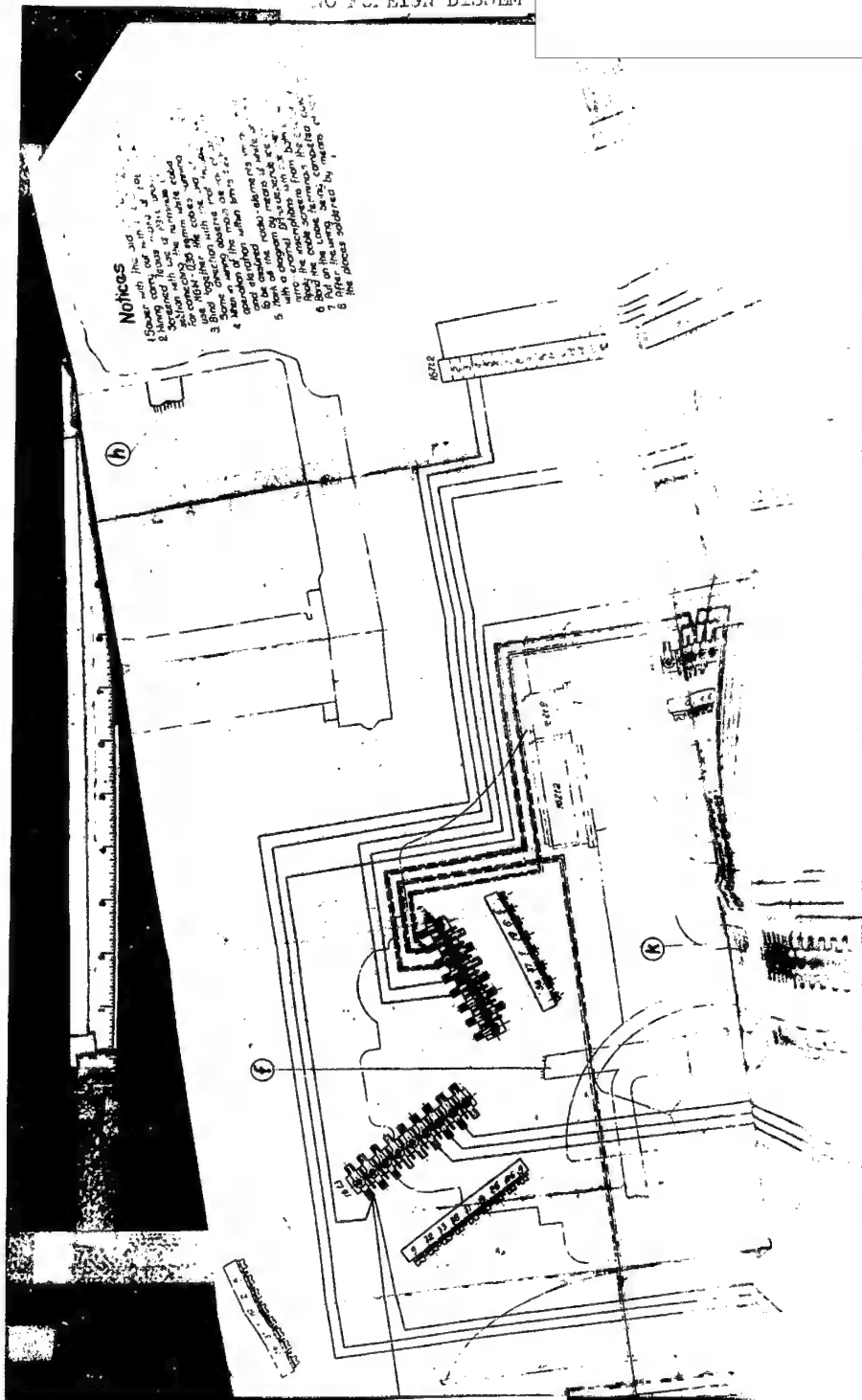
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S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1

NOTICES

1. Space with the aid of the...
2. Having been used for...
3. Being used for...
4. Being used for...
5. Being used for...
6. Being used for...
7. Being used for...
8. Being used for...
9. Being used for...
10. Being used for...

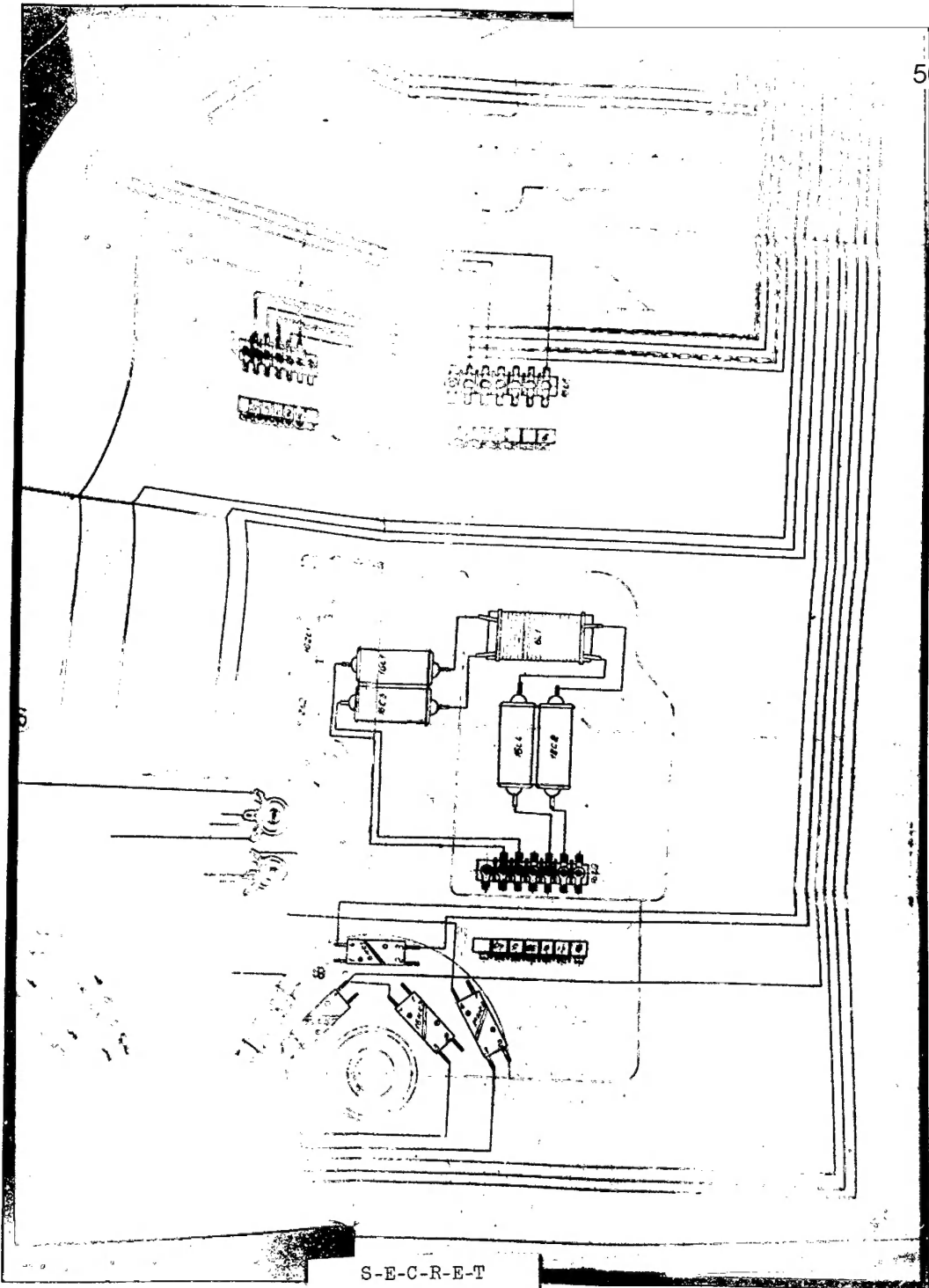


S-E-C-R-E-T

NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

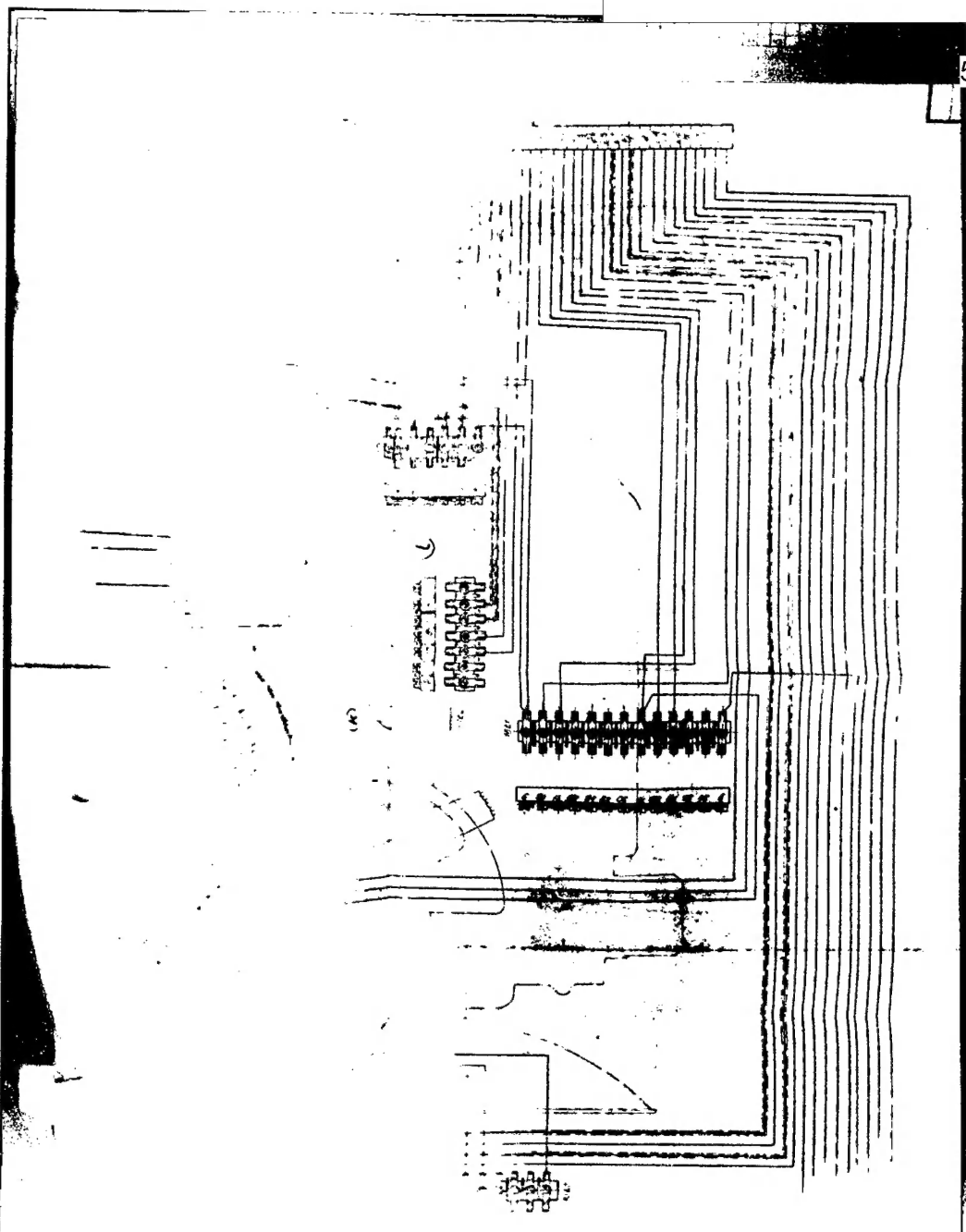
50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM

S-E-C-R-E-T  
NO FOREIGN DISSEM

50X1



S-E-C-R-E-T  
NO FOREIGN DISSEM



**SECRET**  
**NO FOREIGN DISSEM**

**SECRET**  
**NO FOREIGN DISSEM**